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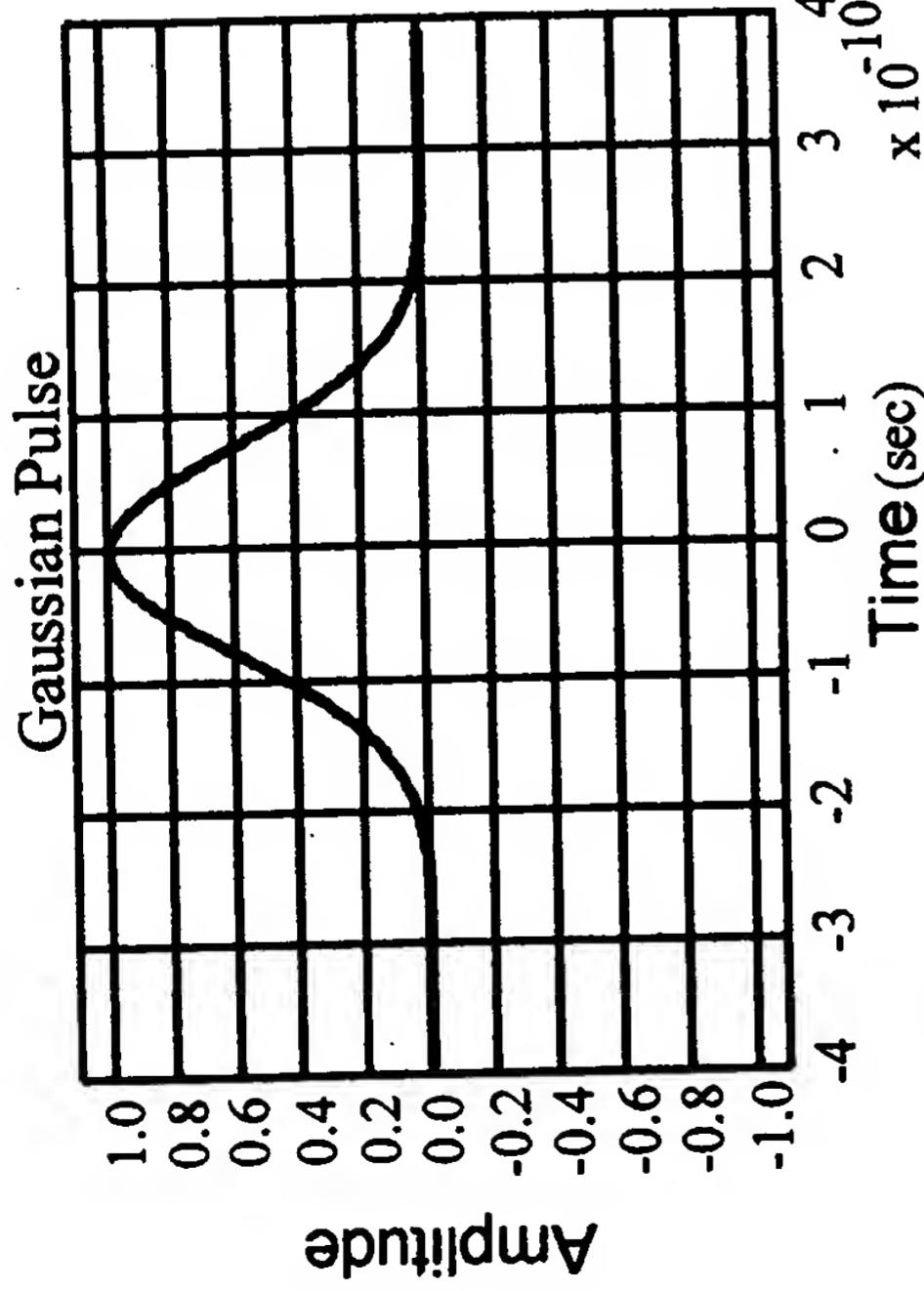


FIG. 1A

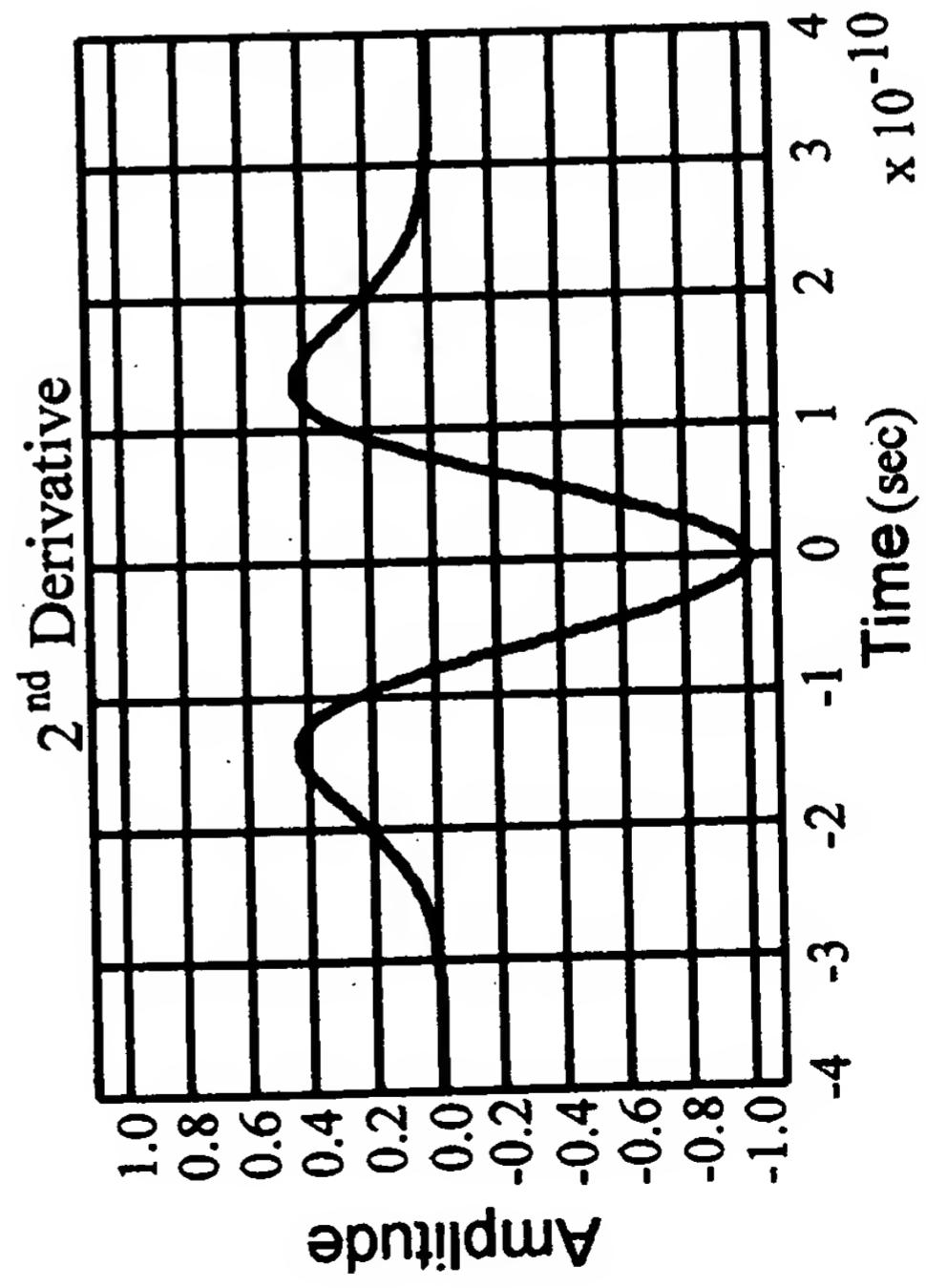
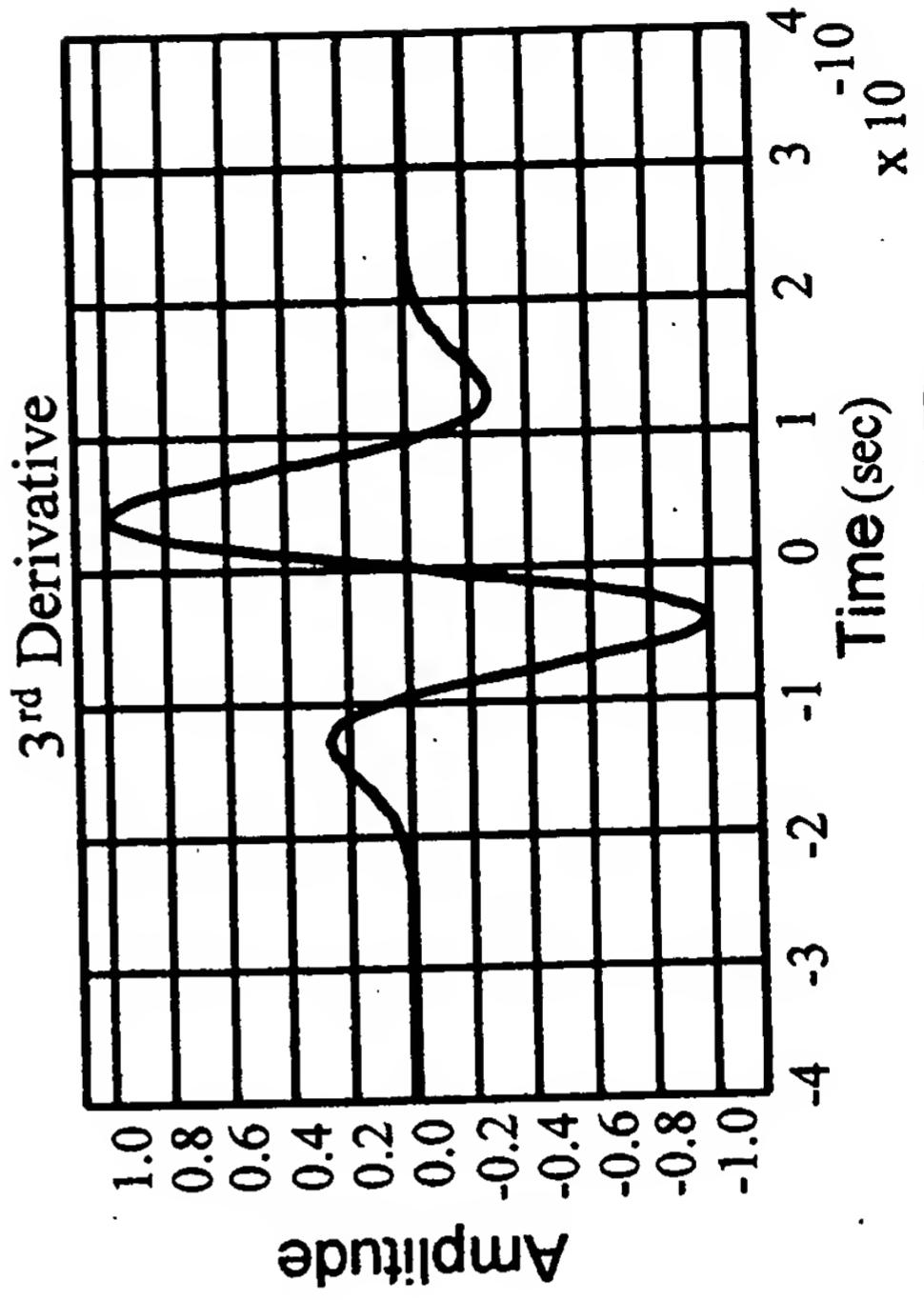
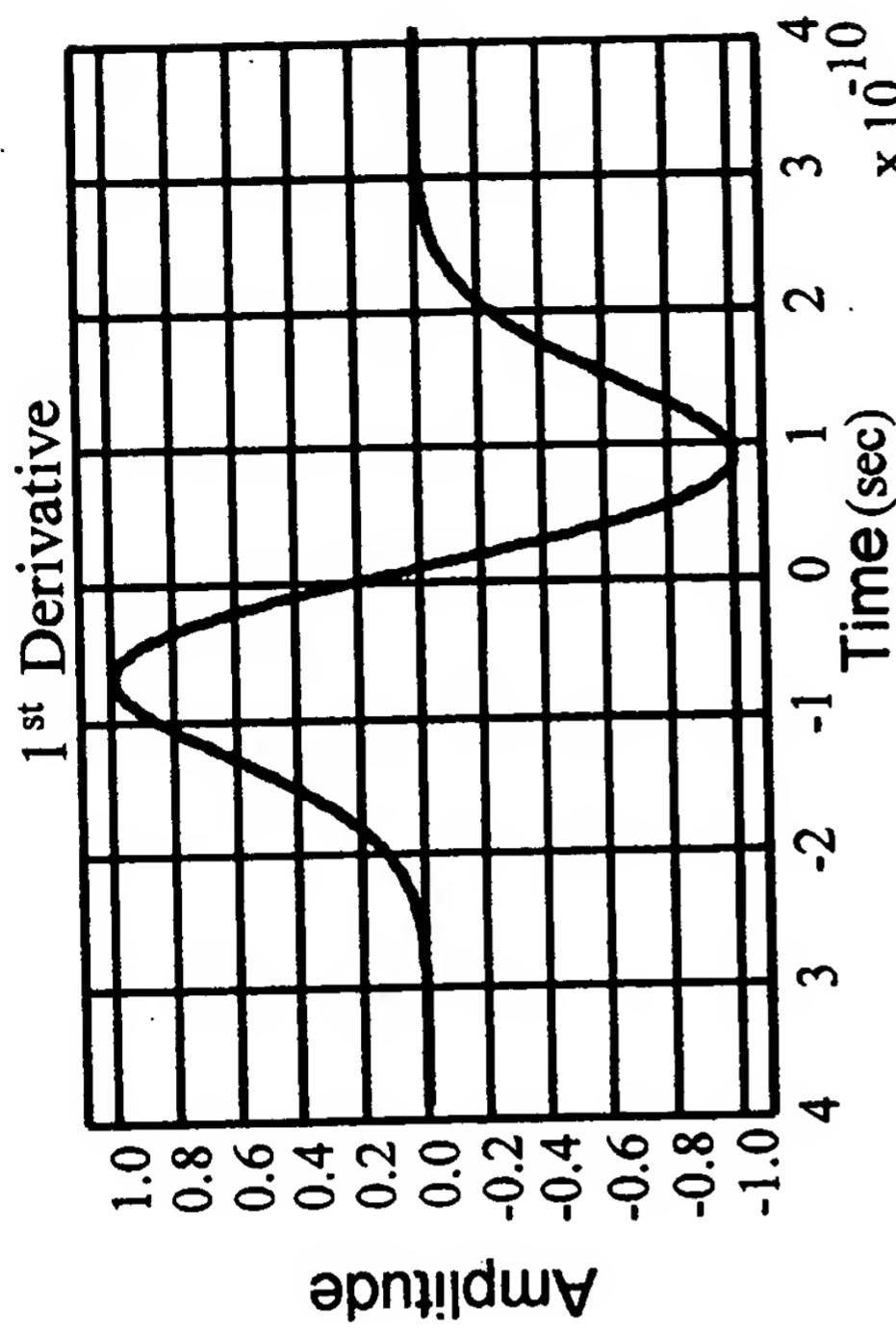


FIG. 1B



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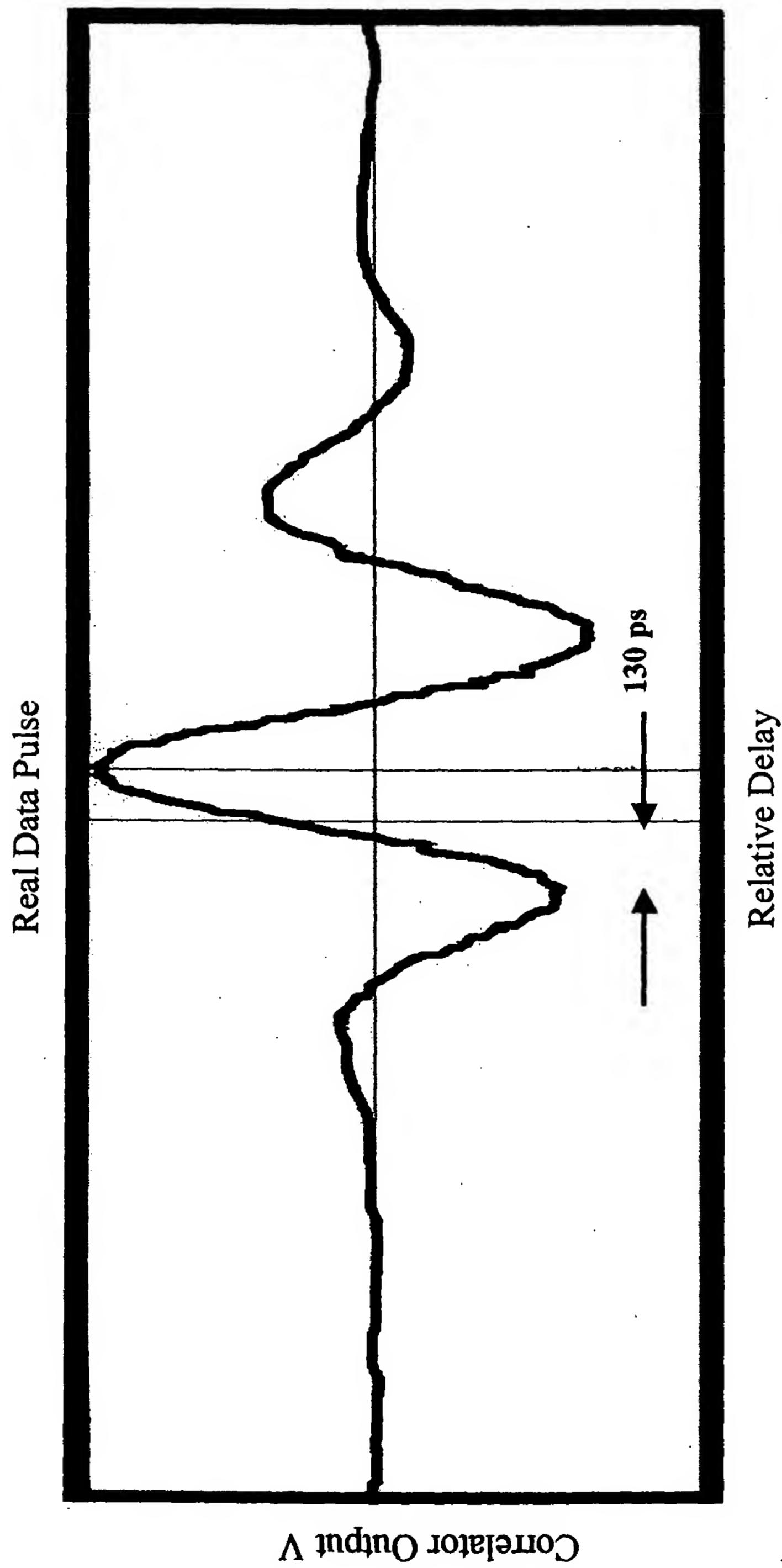


FIG. 1E

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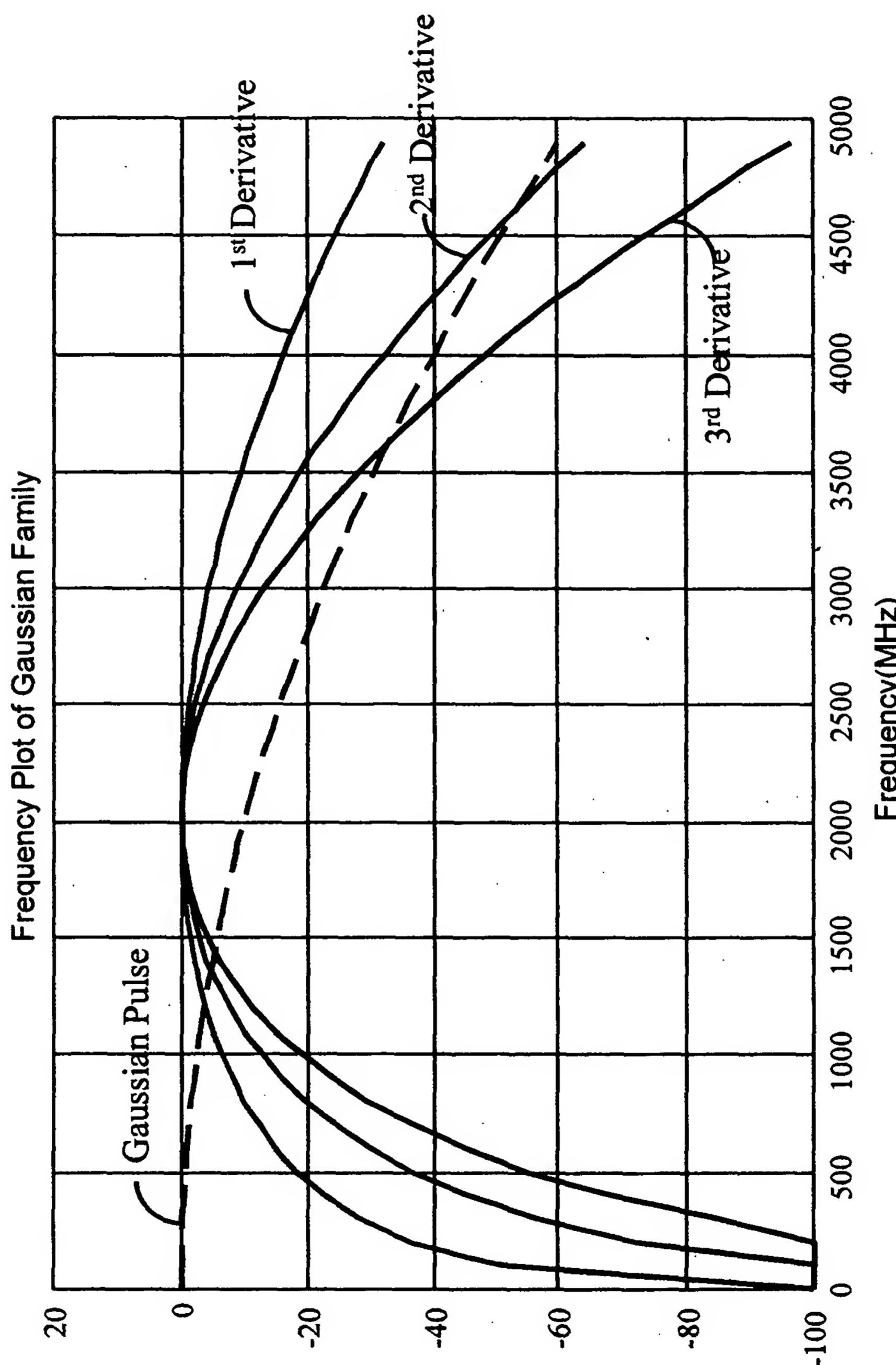


FIG. 1F

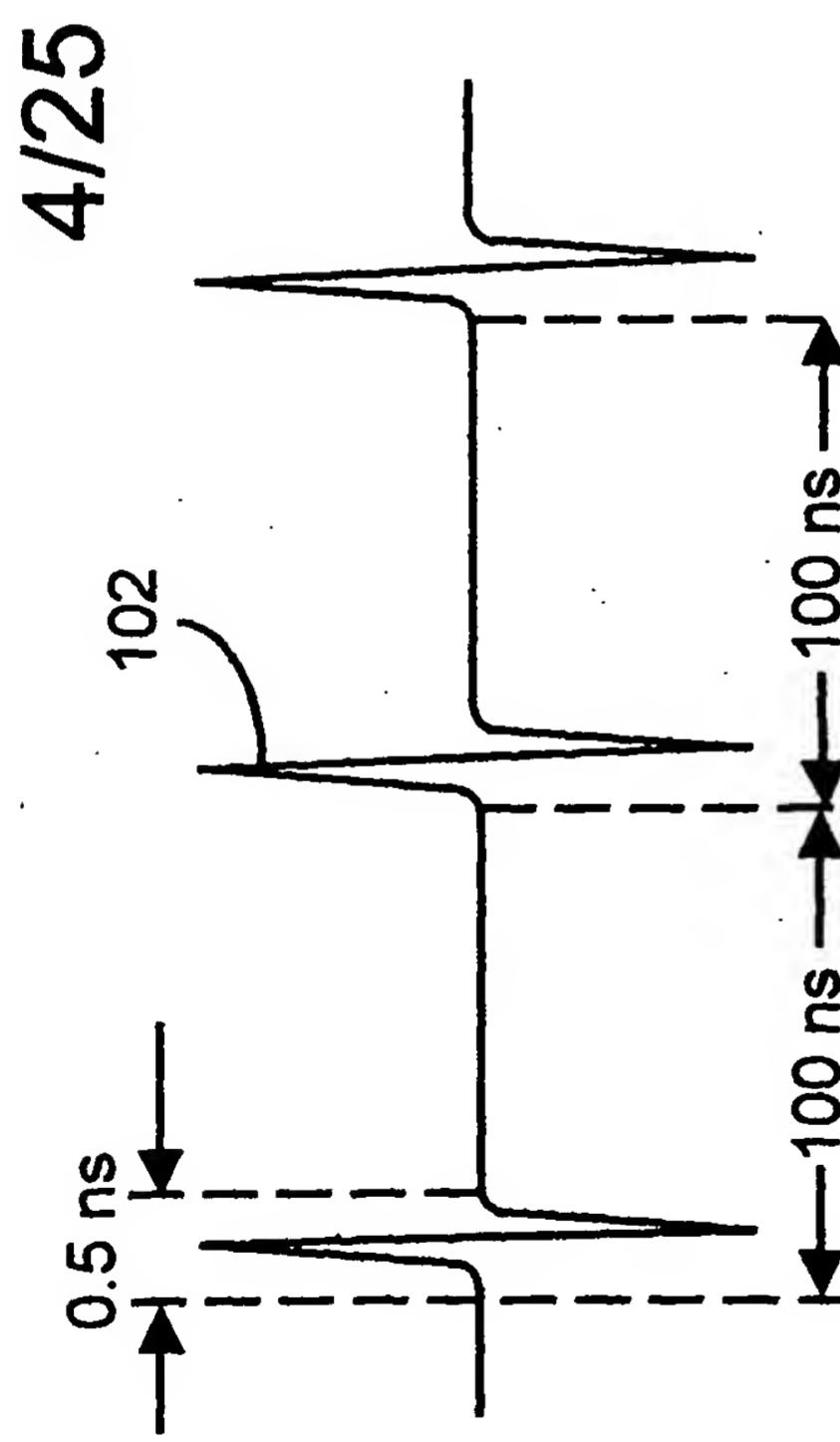


FIG. 2A

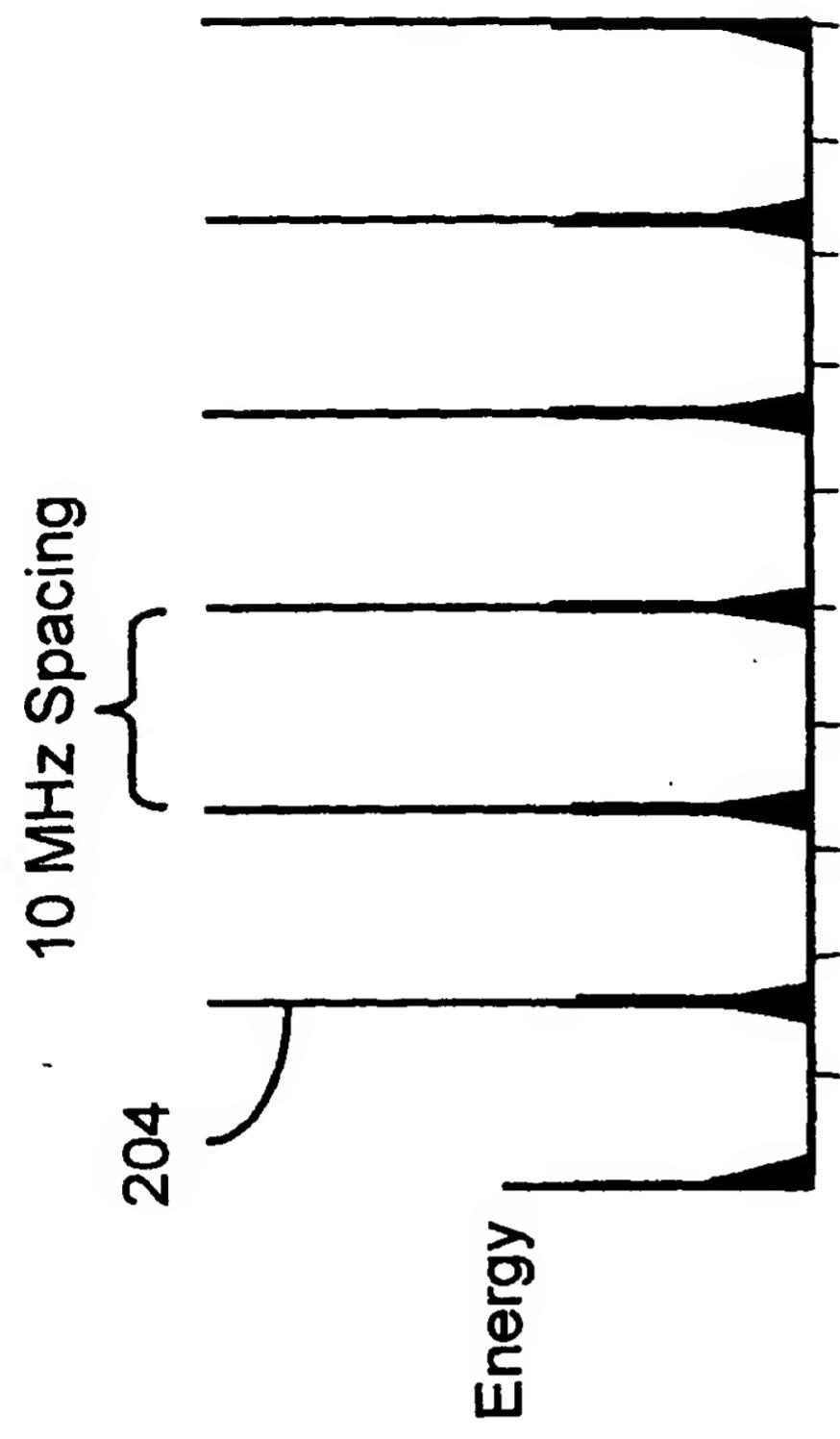
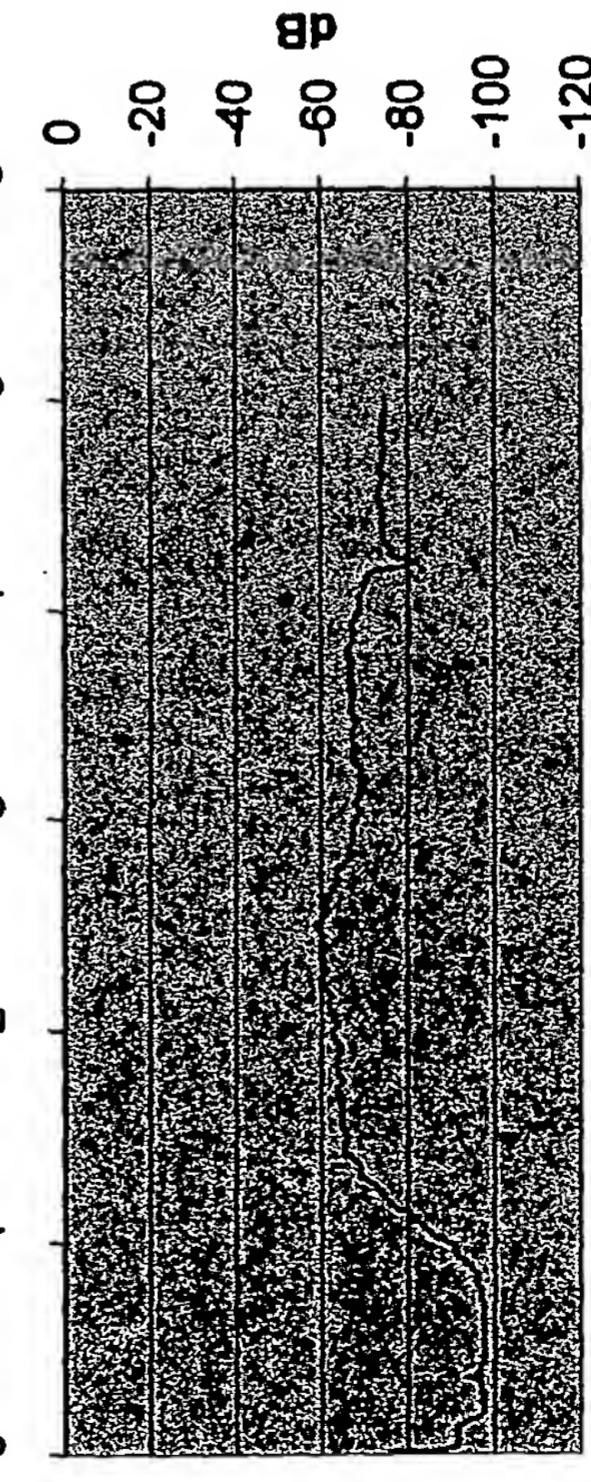
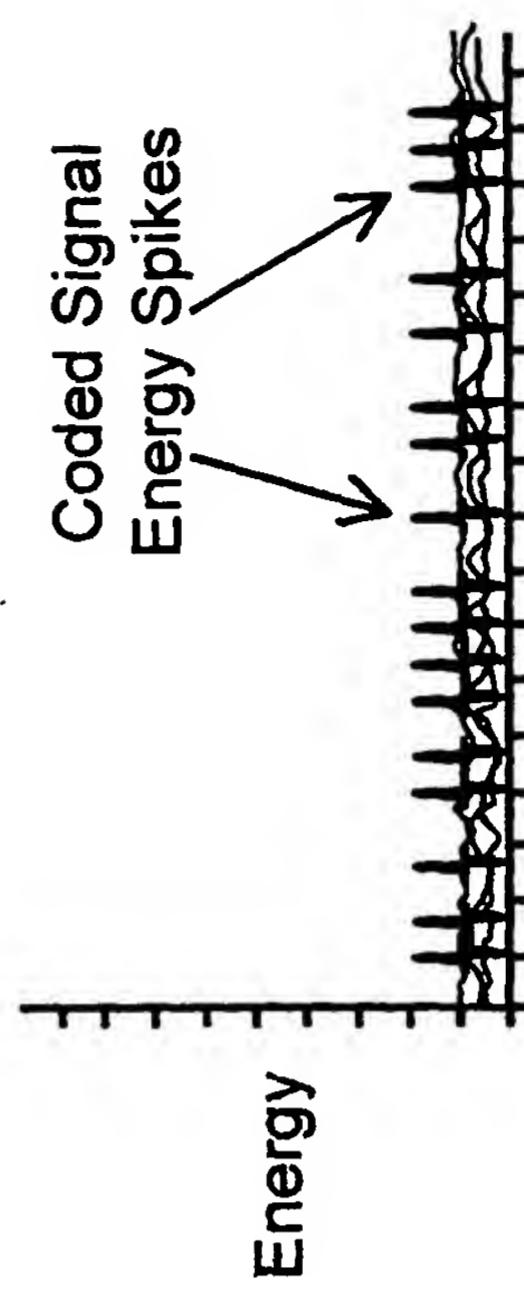


FIG. 2B



Pulse Train Spectrum (Single Pulse = 10K System)



Frequency

FIG. 2C

FIG. 2D

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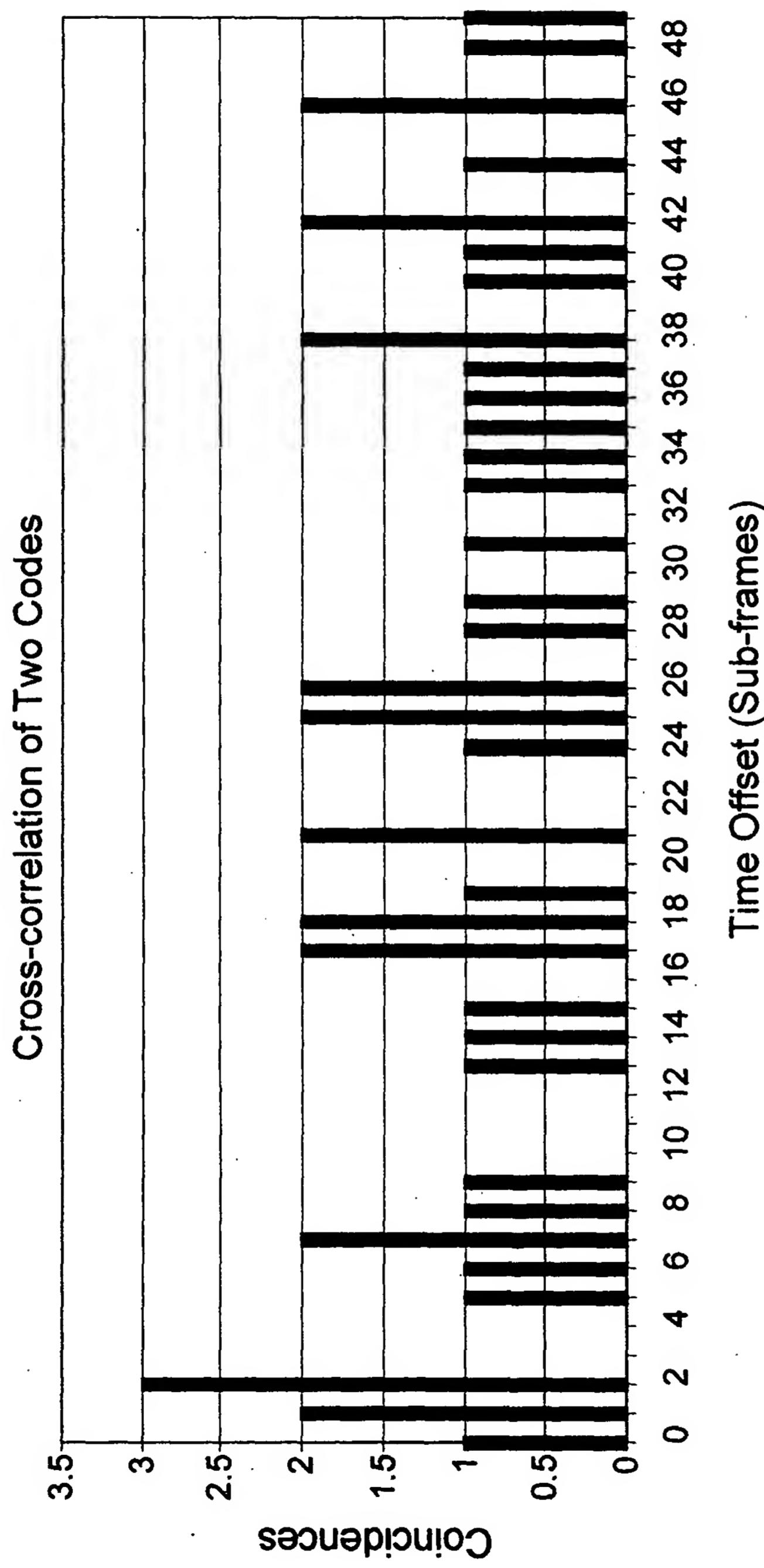
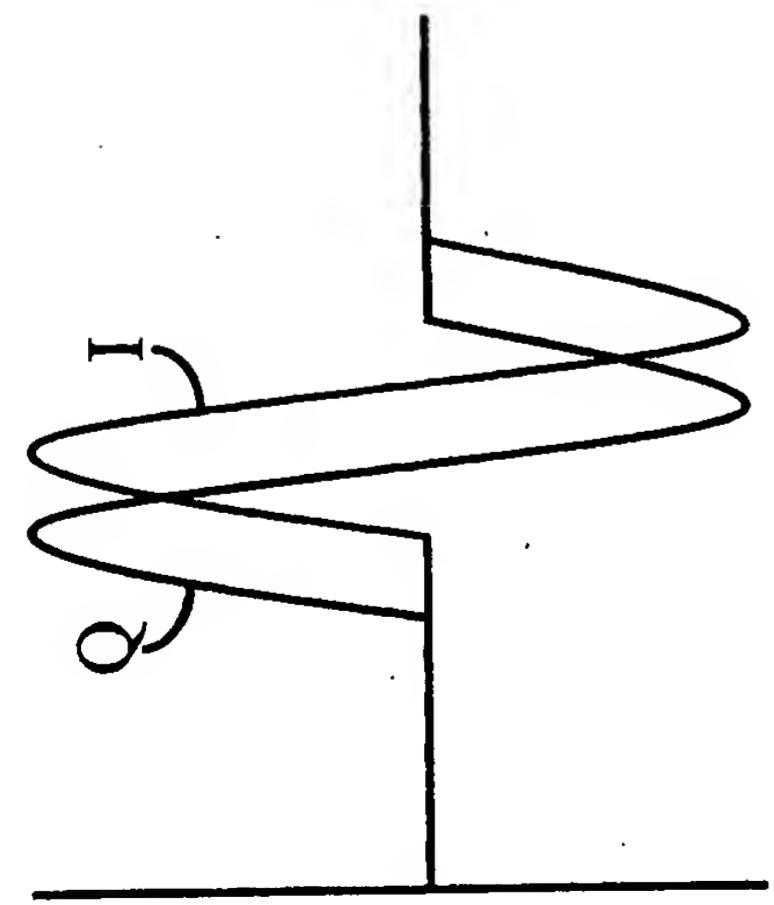
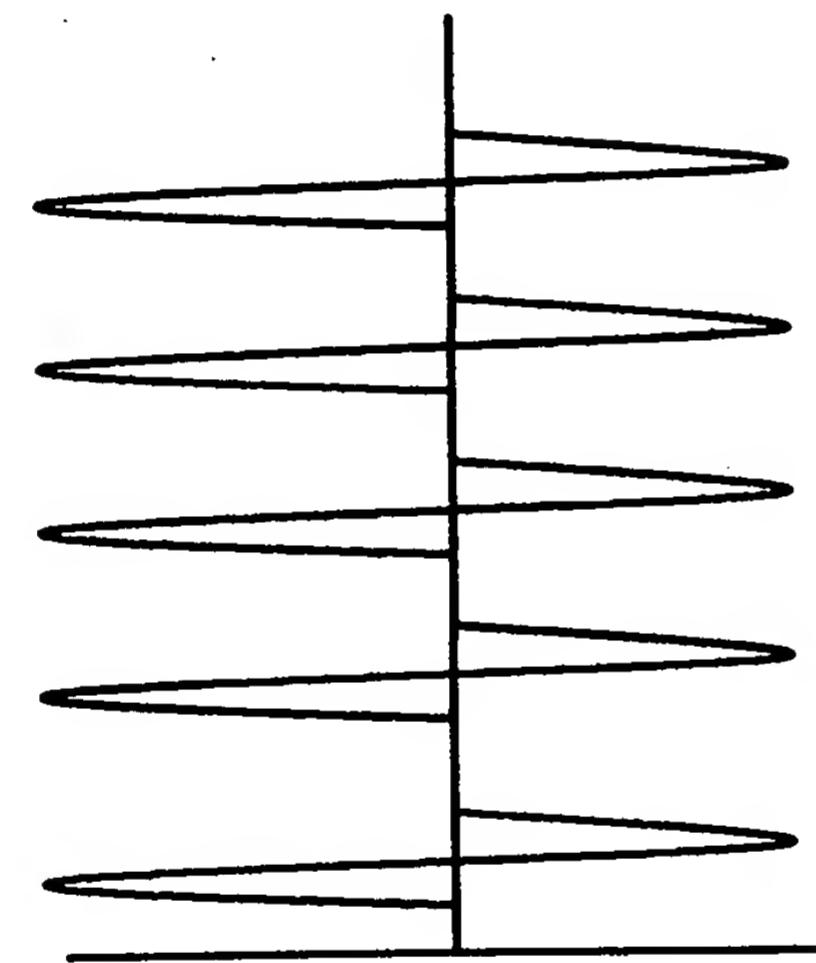


FIG. 3

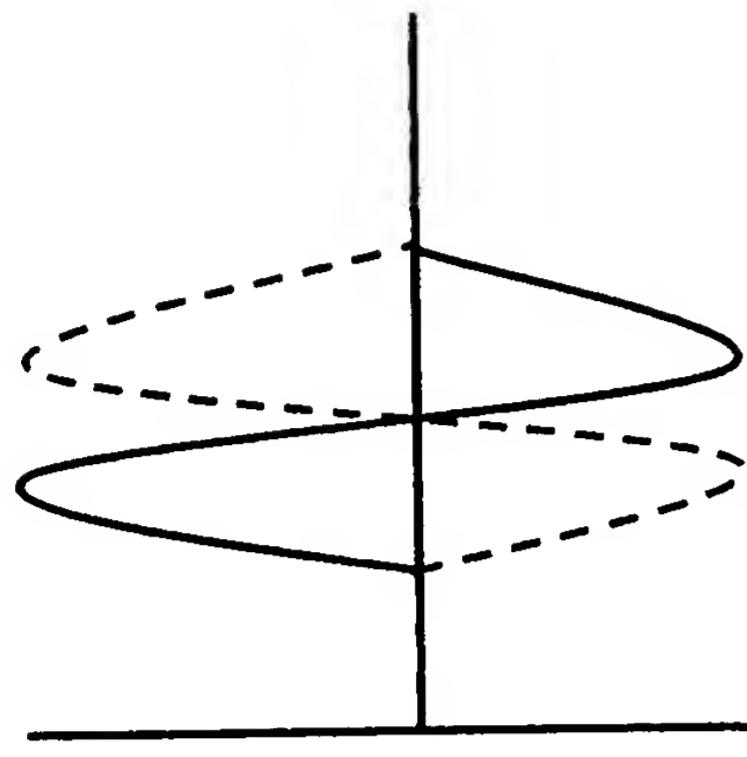


Early - Late Modulation
FIG. 4A

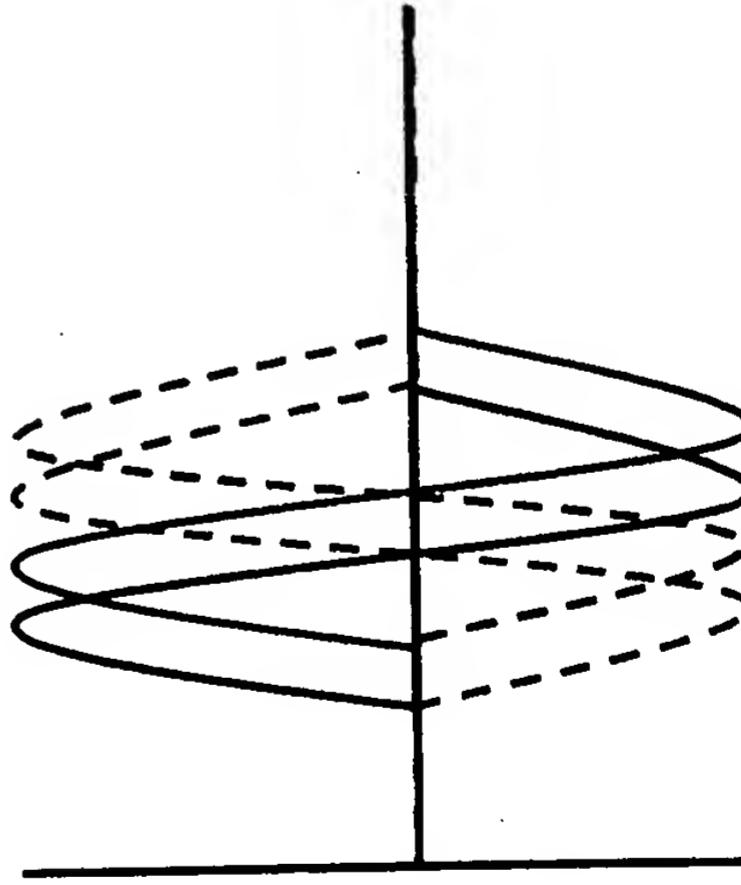
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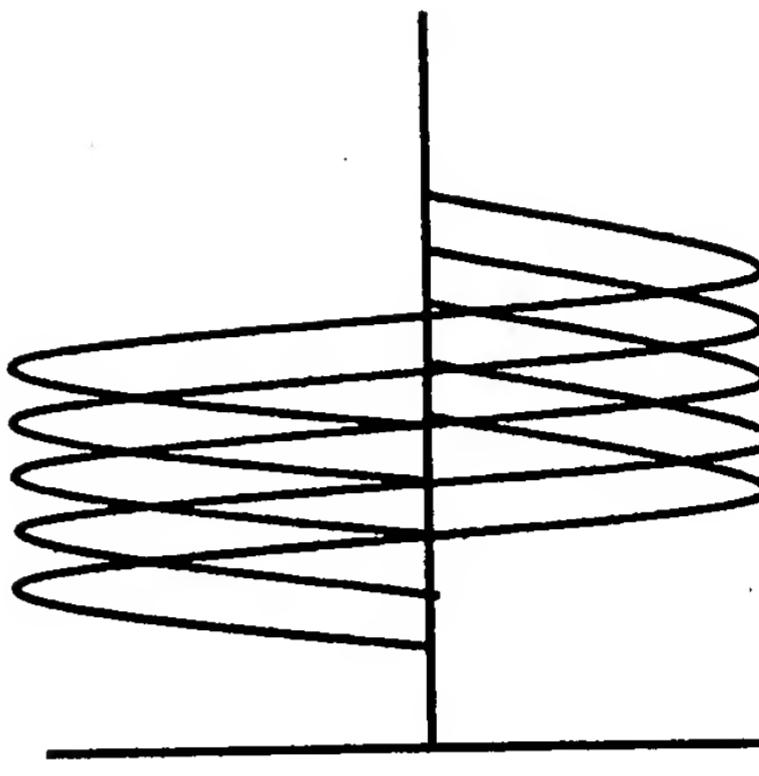
One of Many Modulation
FIG. 4B



Flip Modulation
FIG. 4C



Quad Flip Modulation
FIG. 4D



Vector Modulation
FIG. 4E

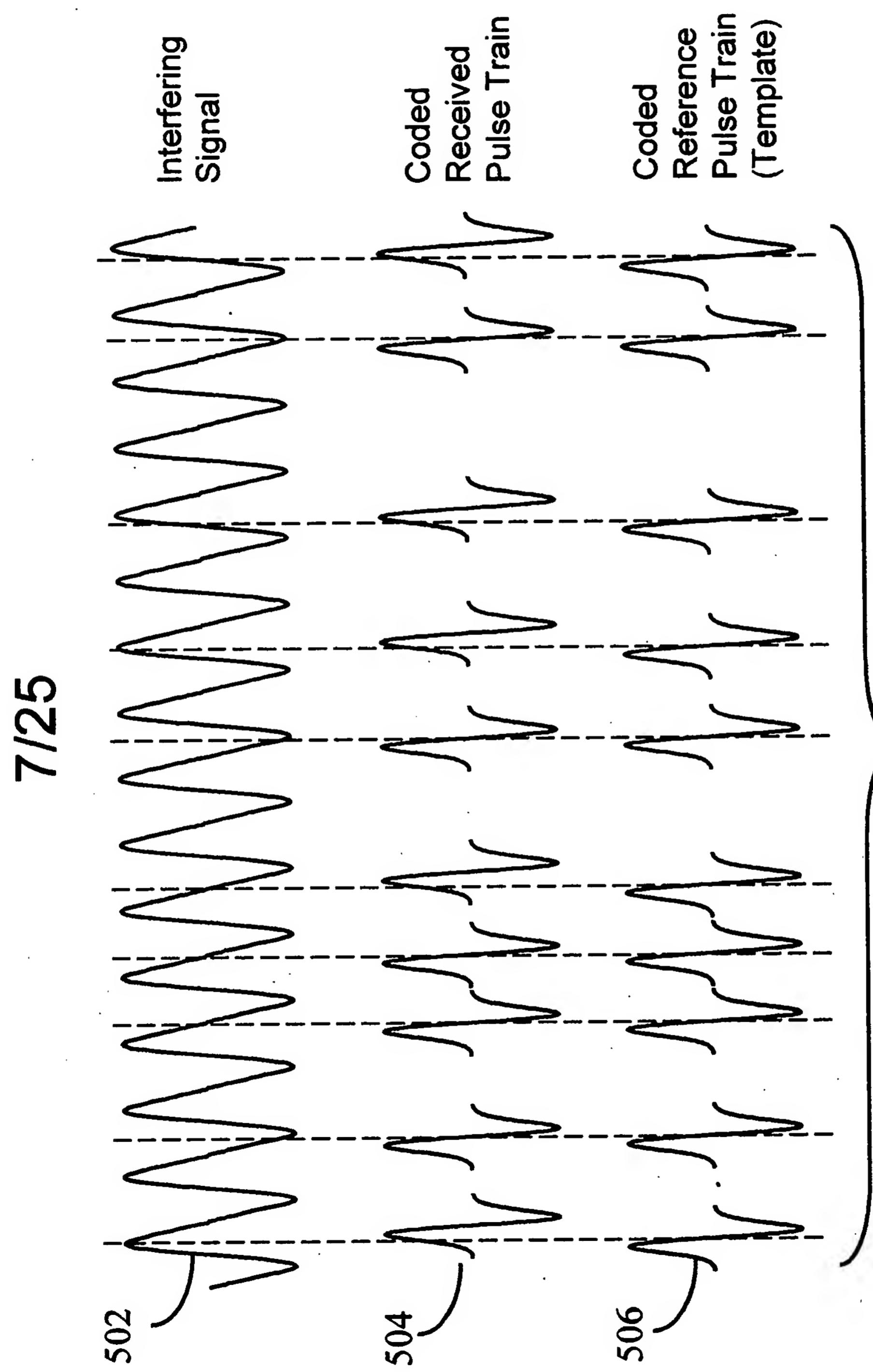


FIG. 5A

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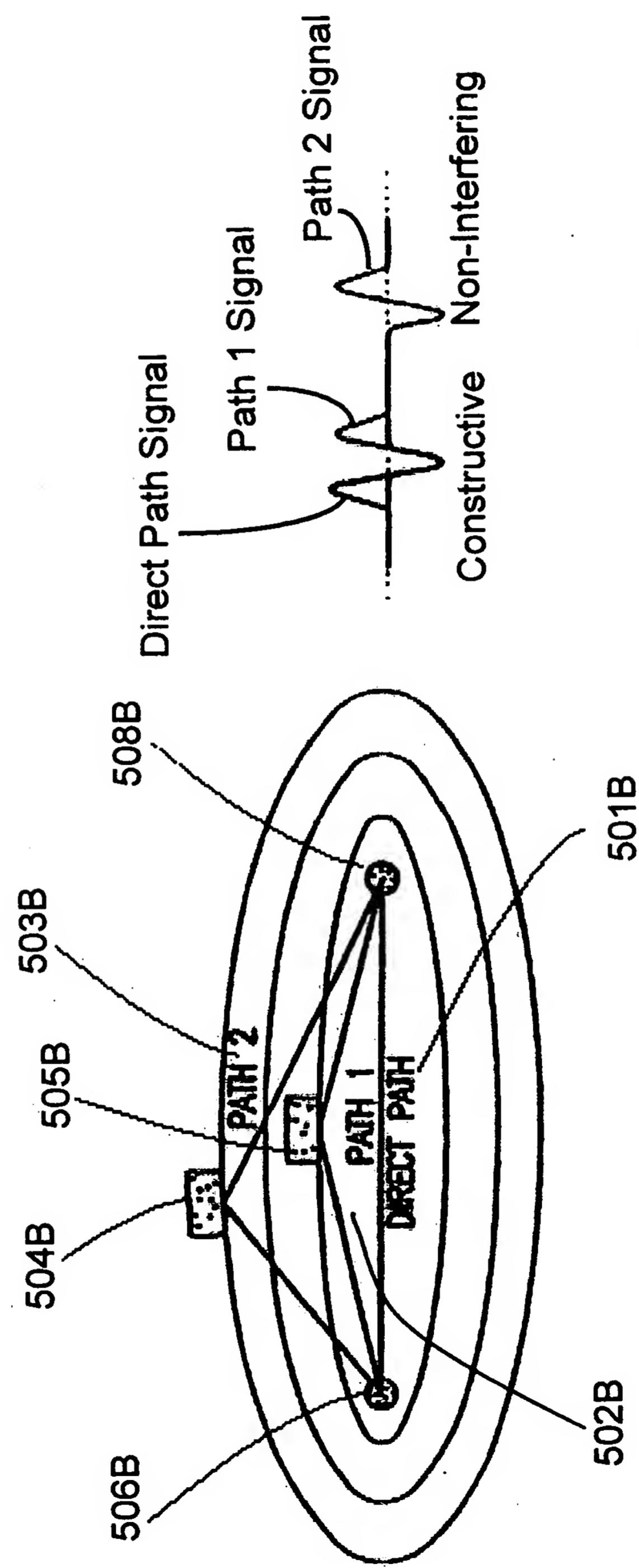
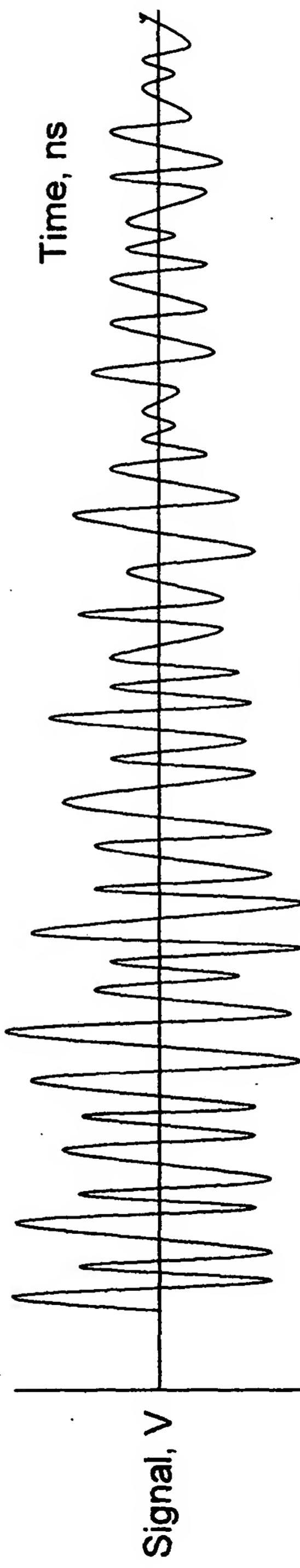
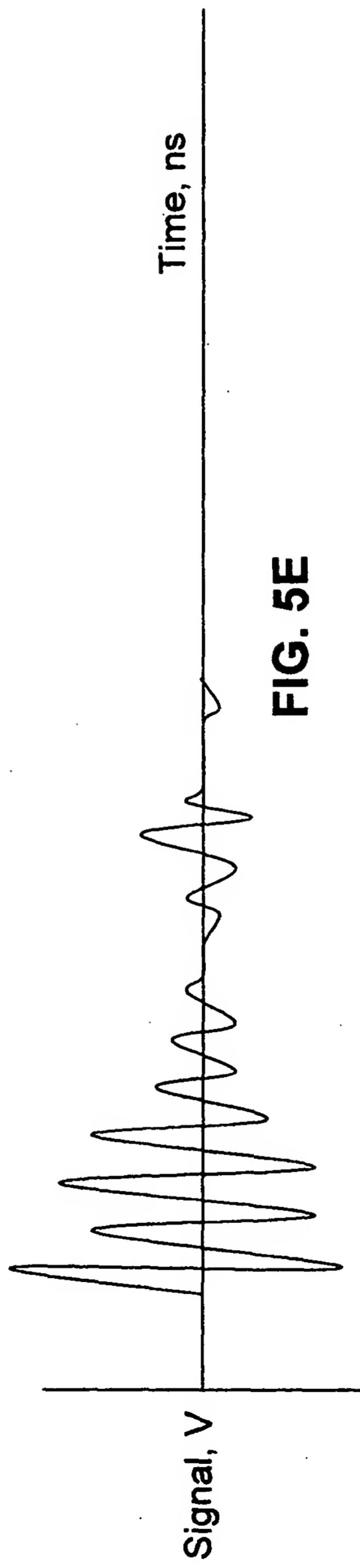
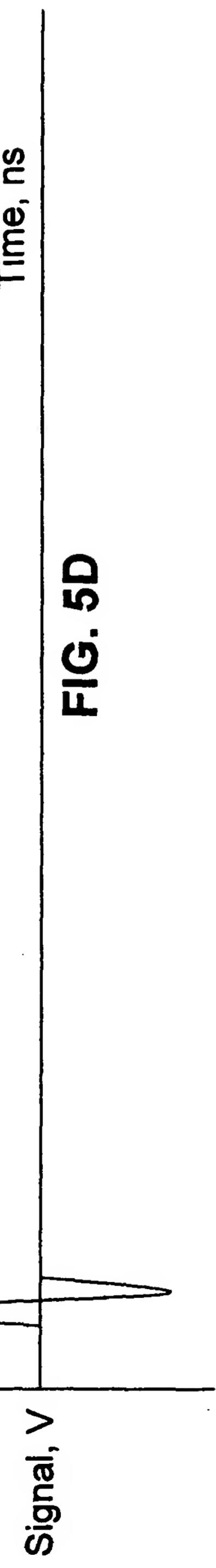


FIG. 5C

FIG. 5B

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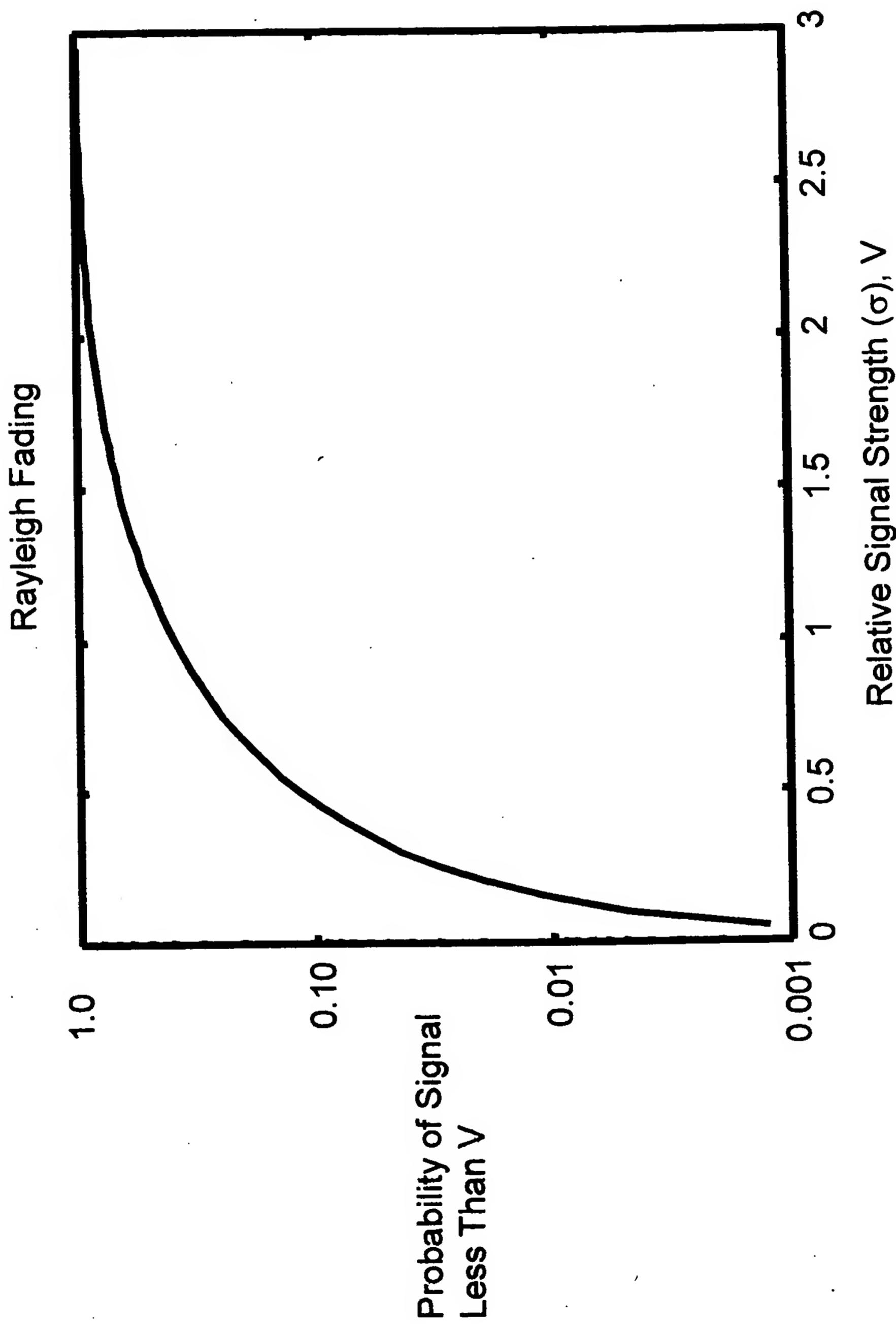
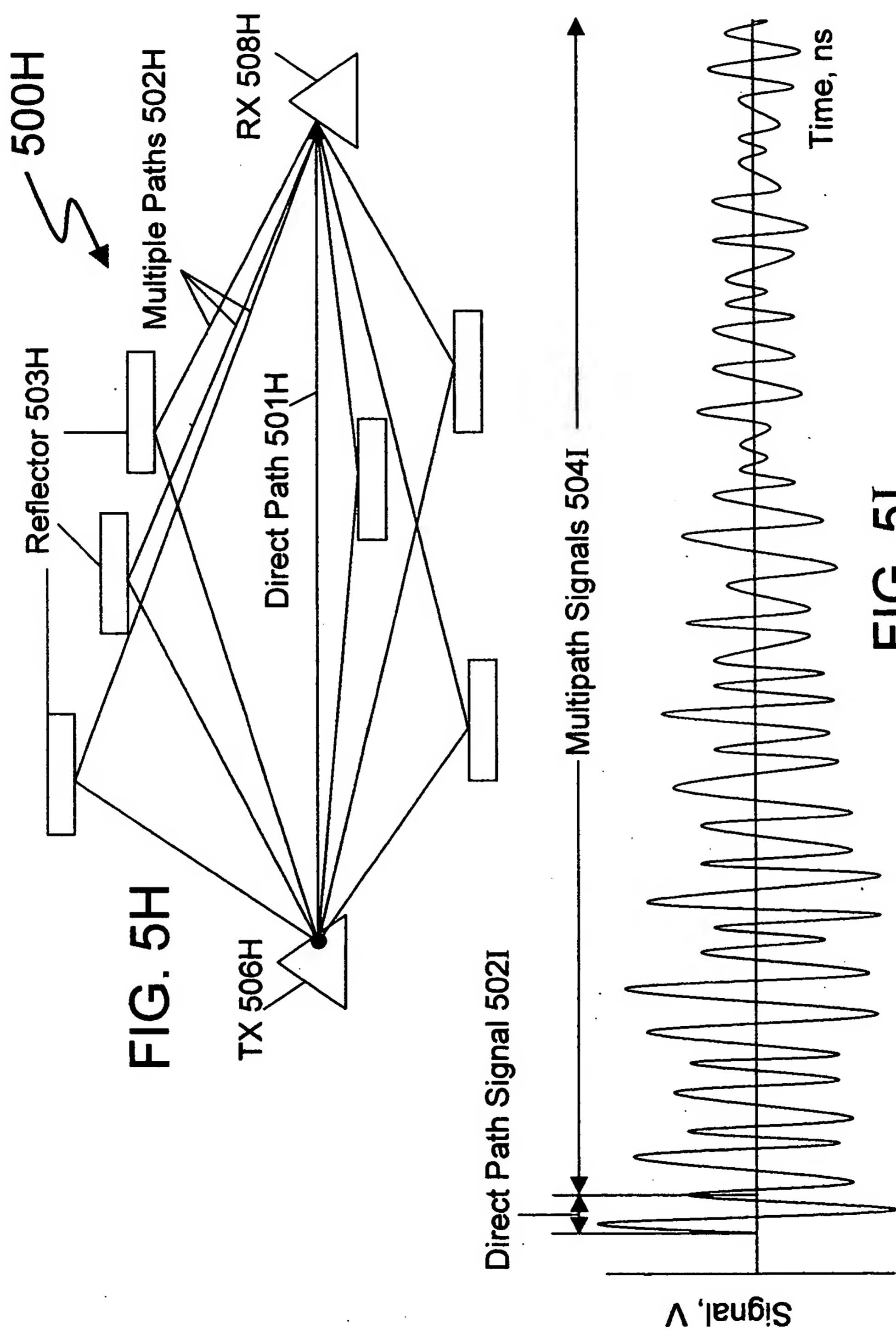
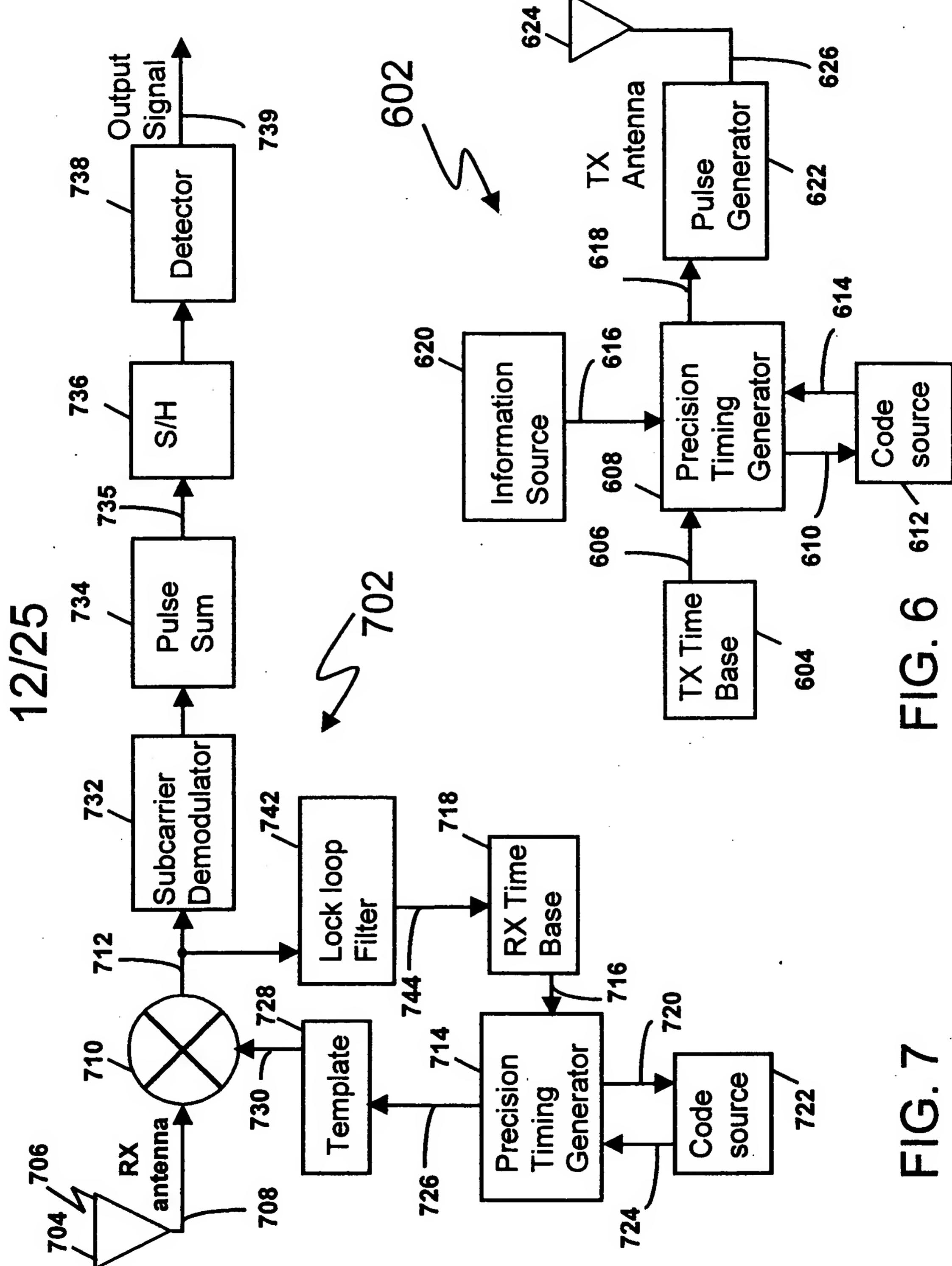


Fig. 5G

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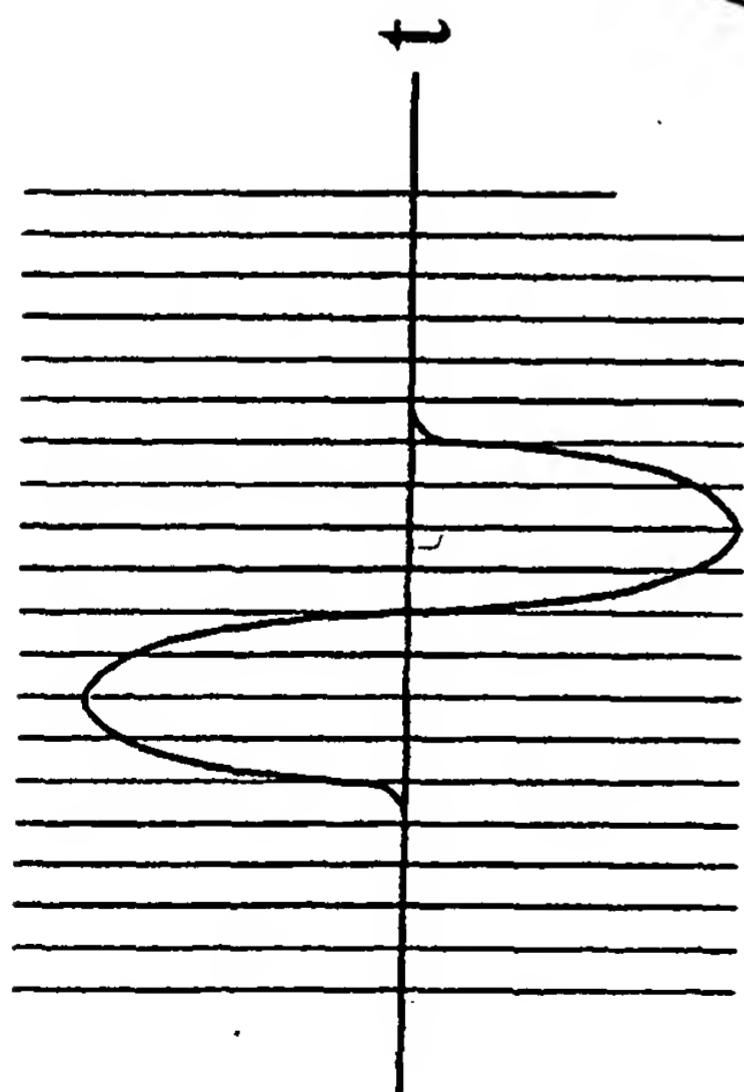


FIG. 8A

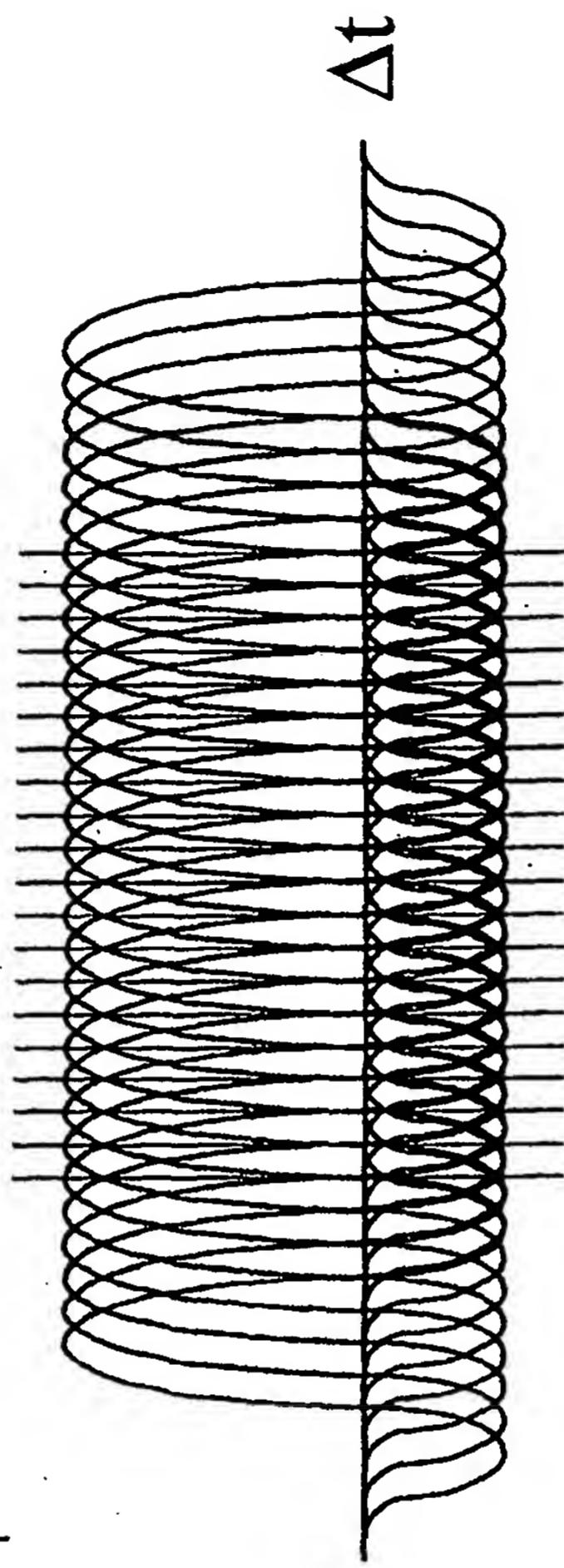


FIG. 8B

Corresponding
to each Δt

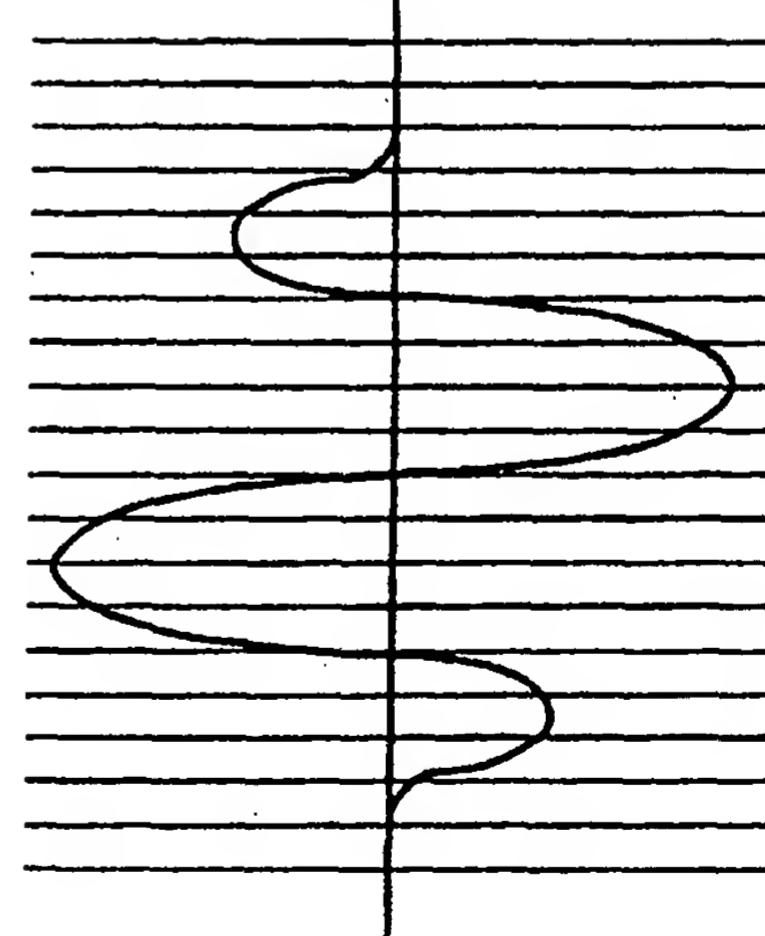


FIG. 8C

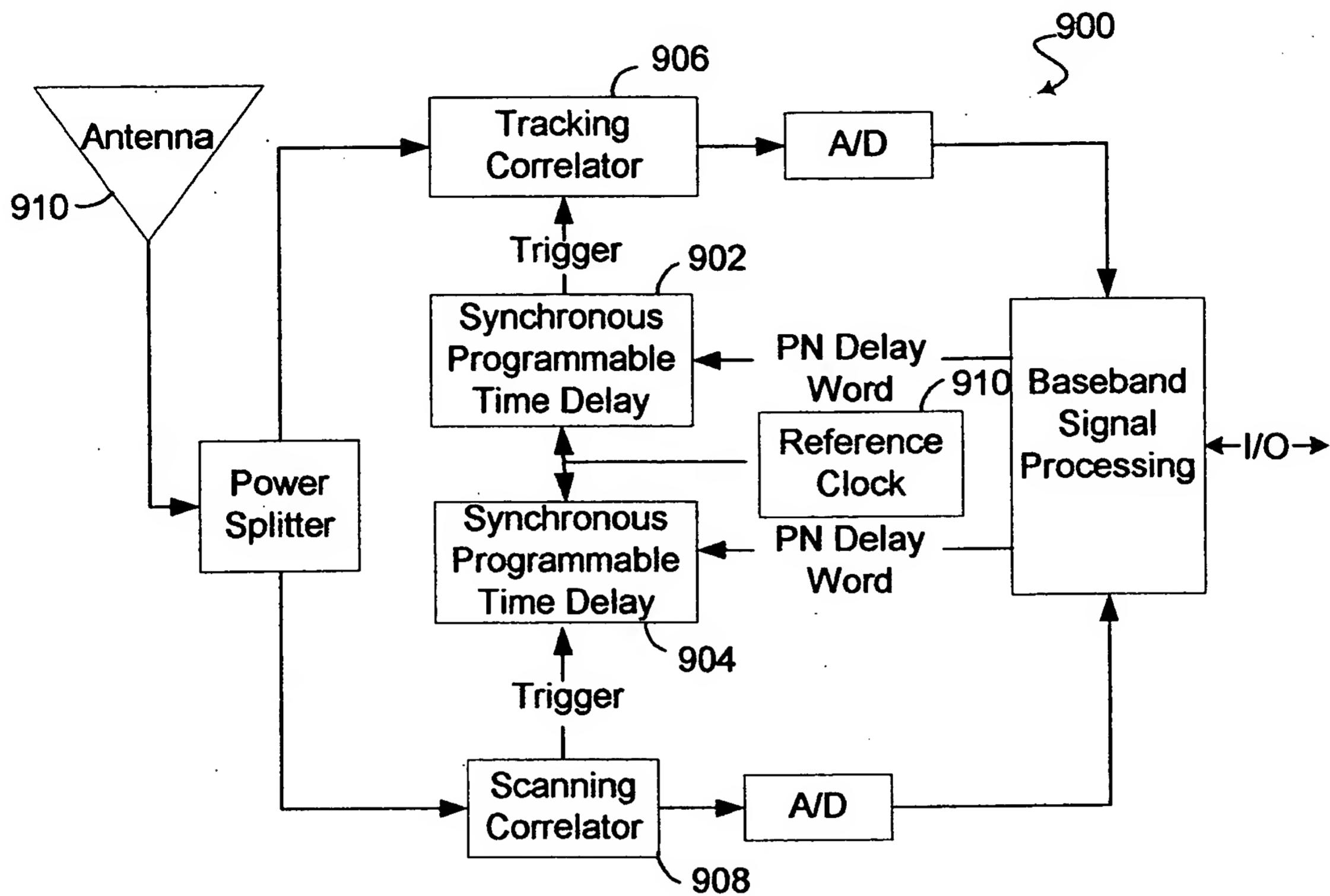


FIG. 9

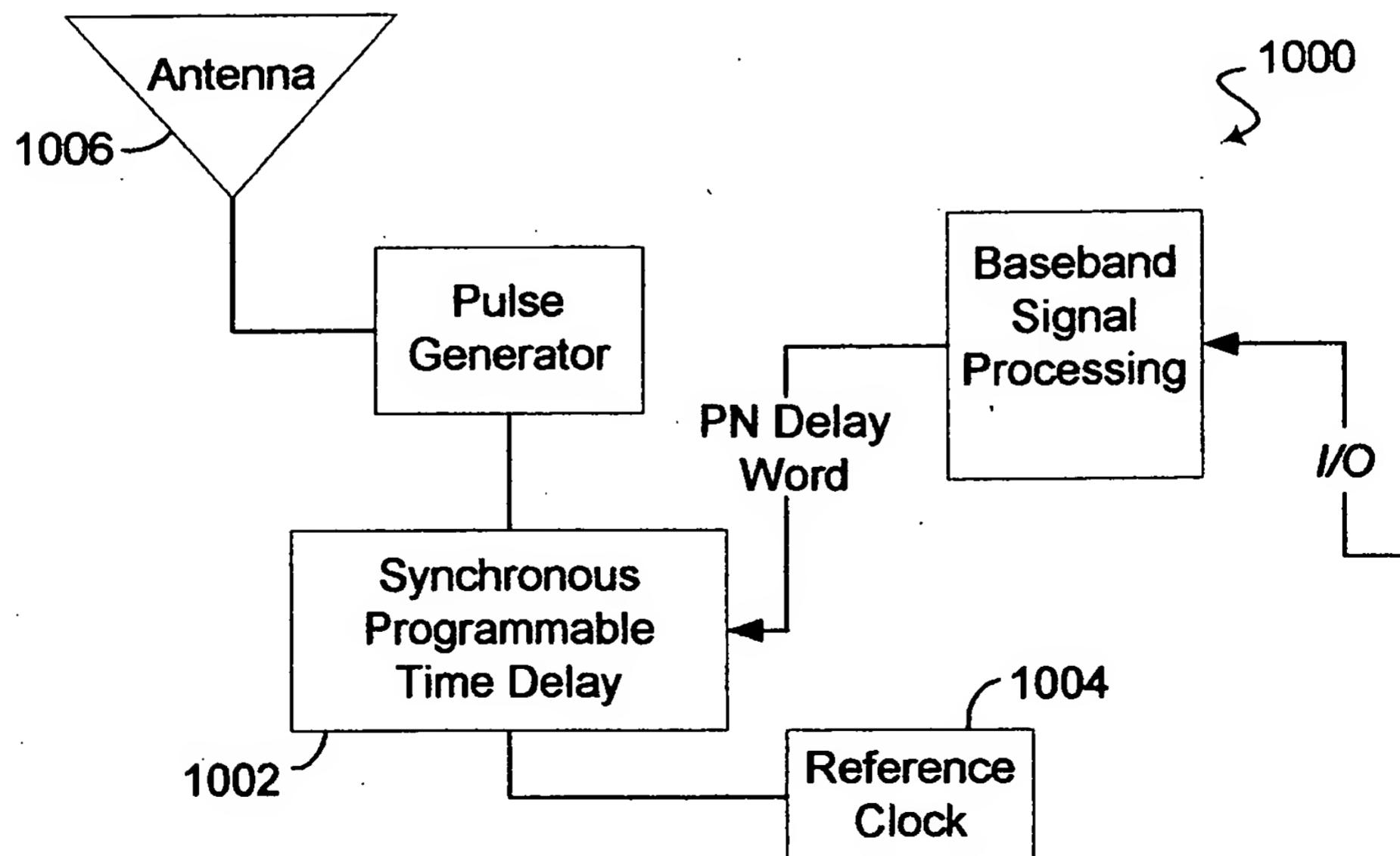


FIG. 10

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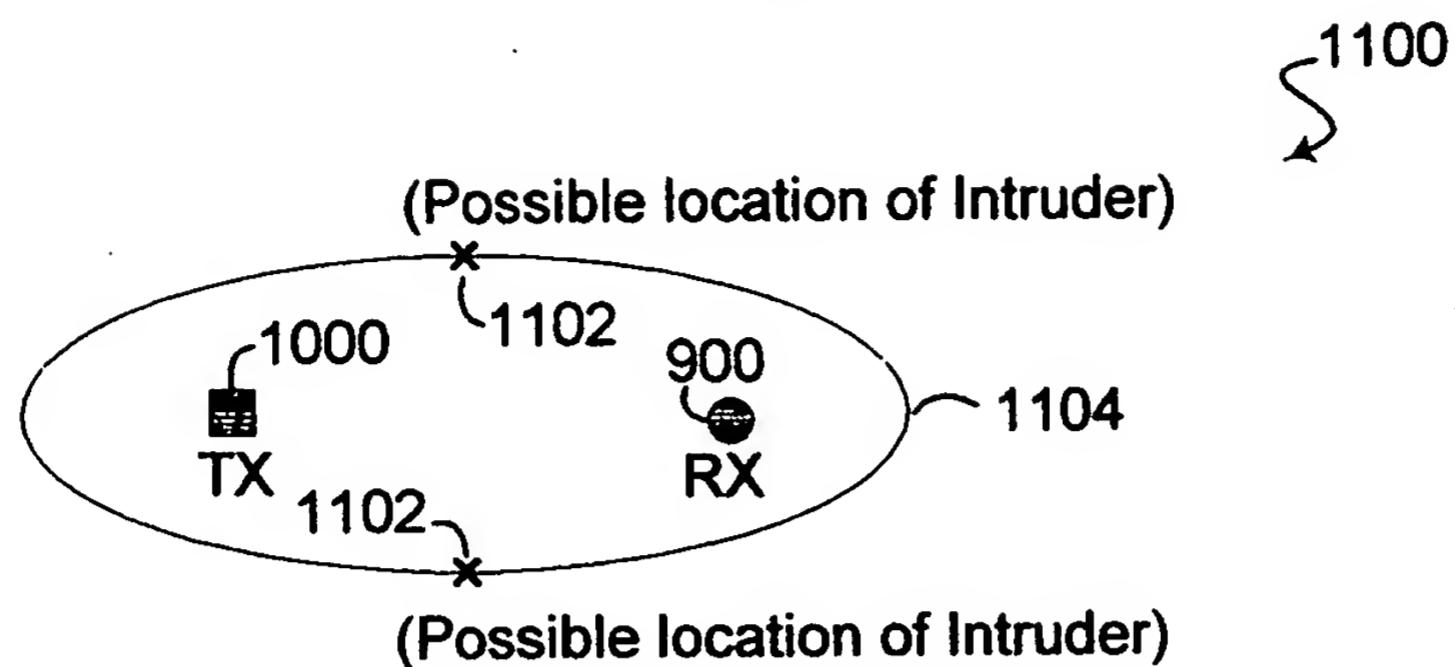


FIG. 11

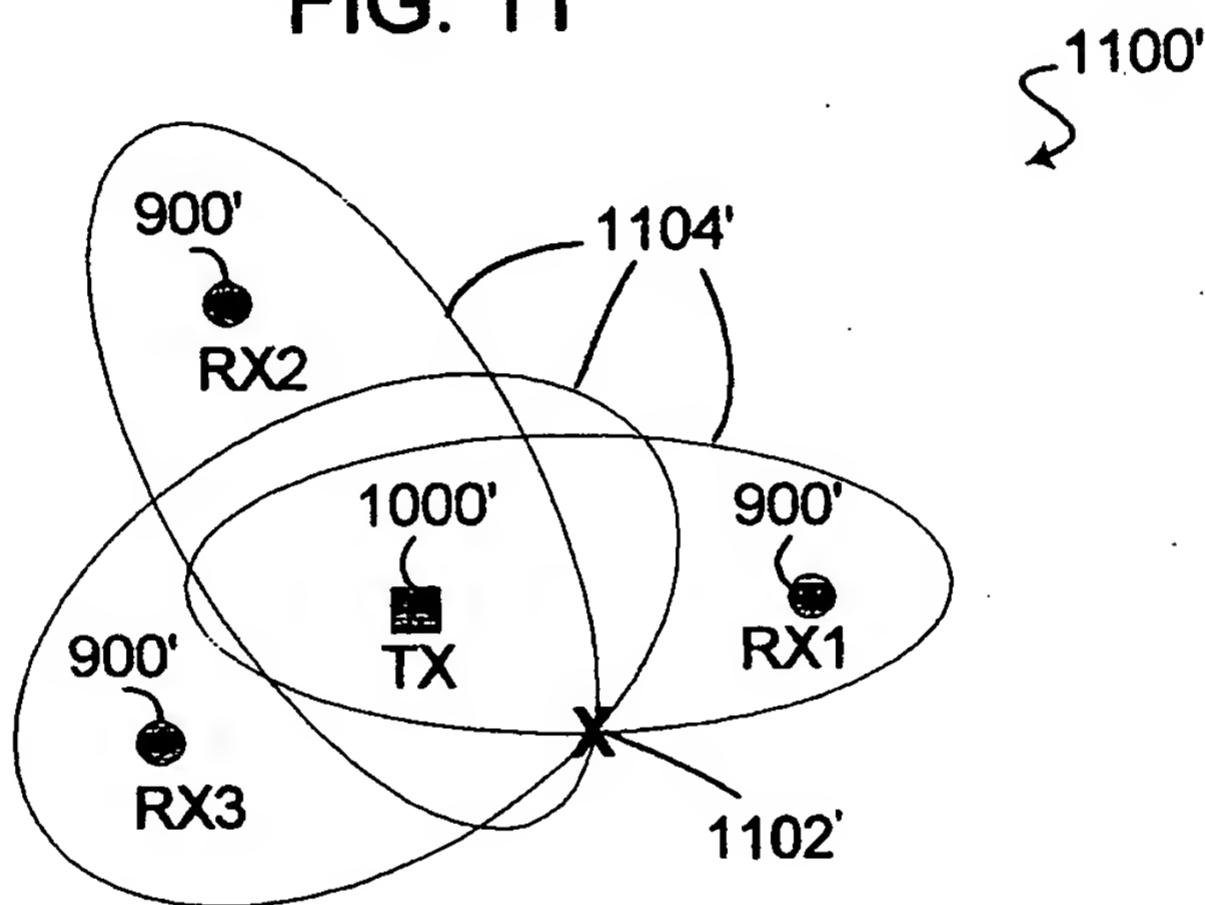


FIG. 12

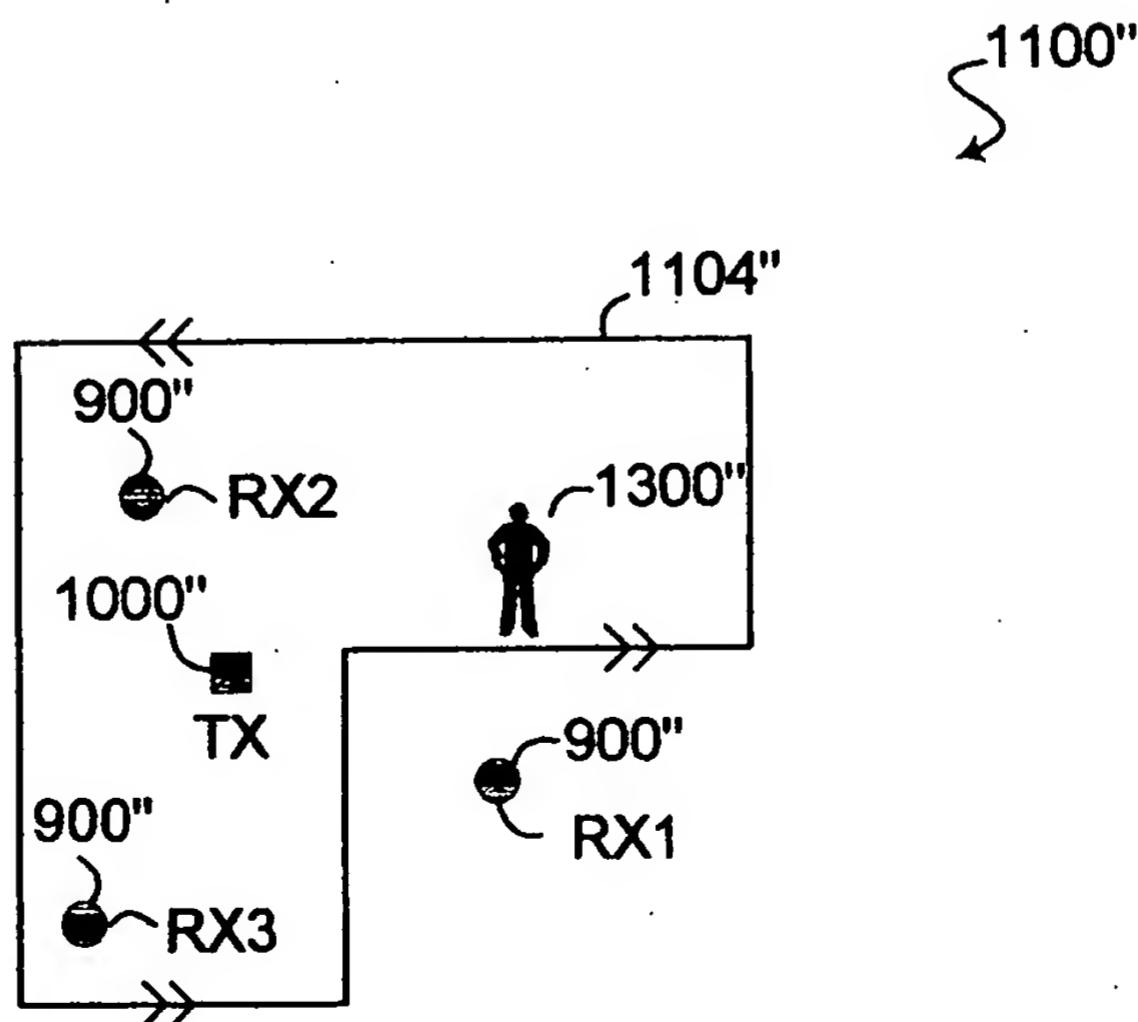


FIG. 13

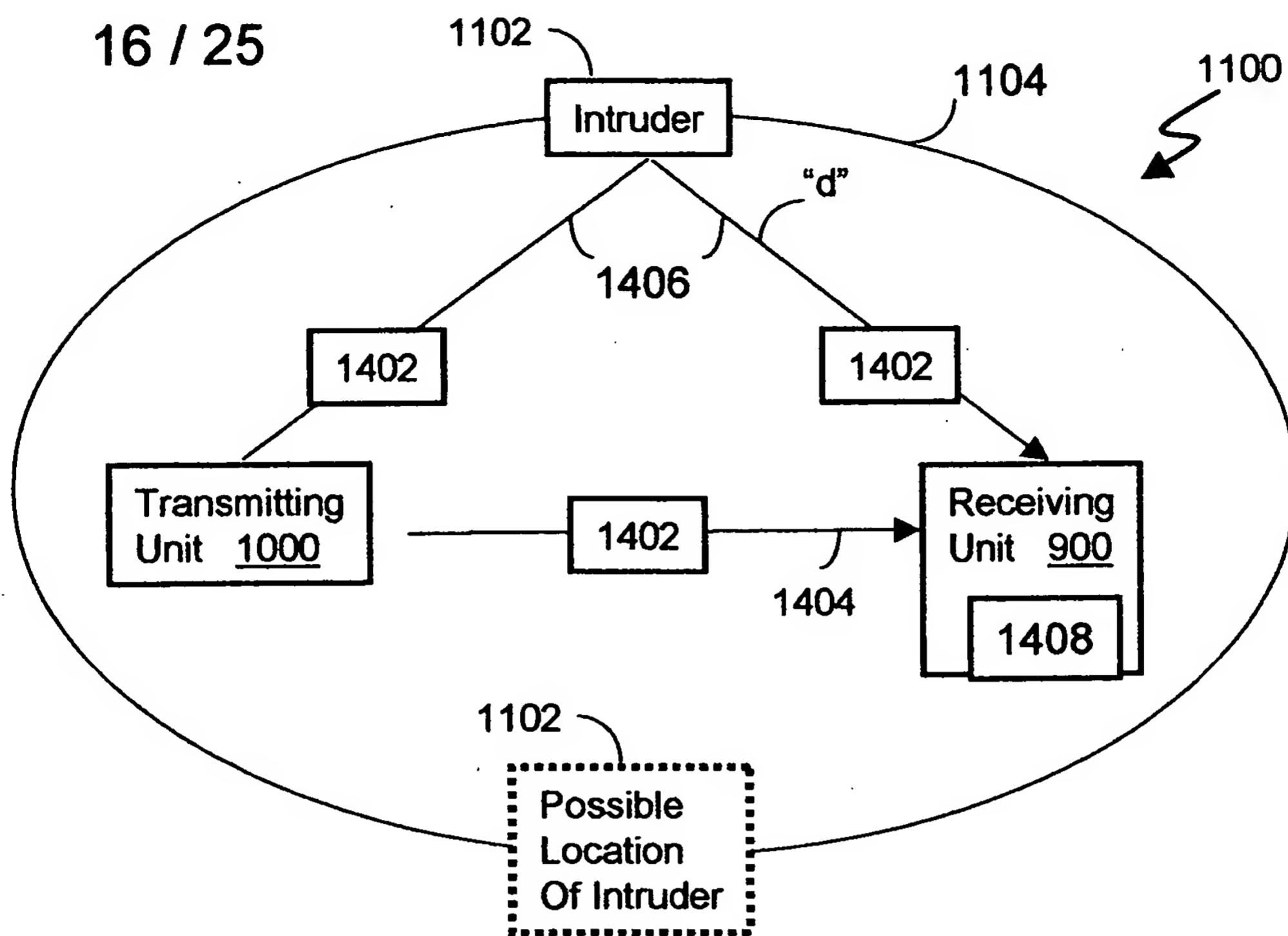


FIG. 14

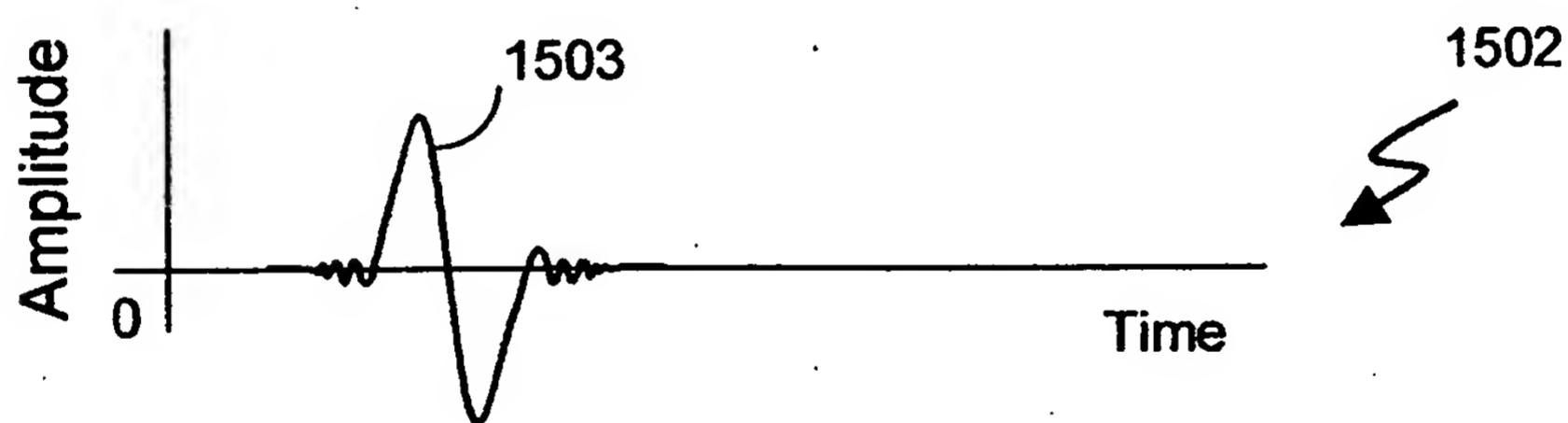


FIG. 15a

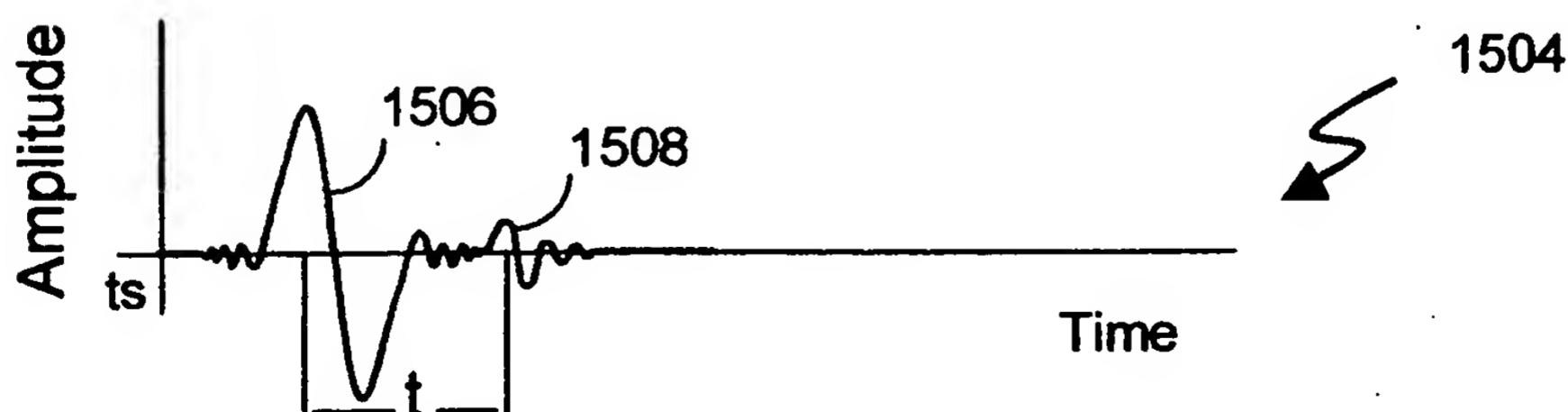


FIG. 15b

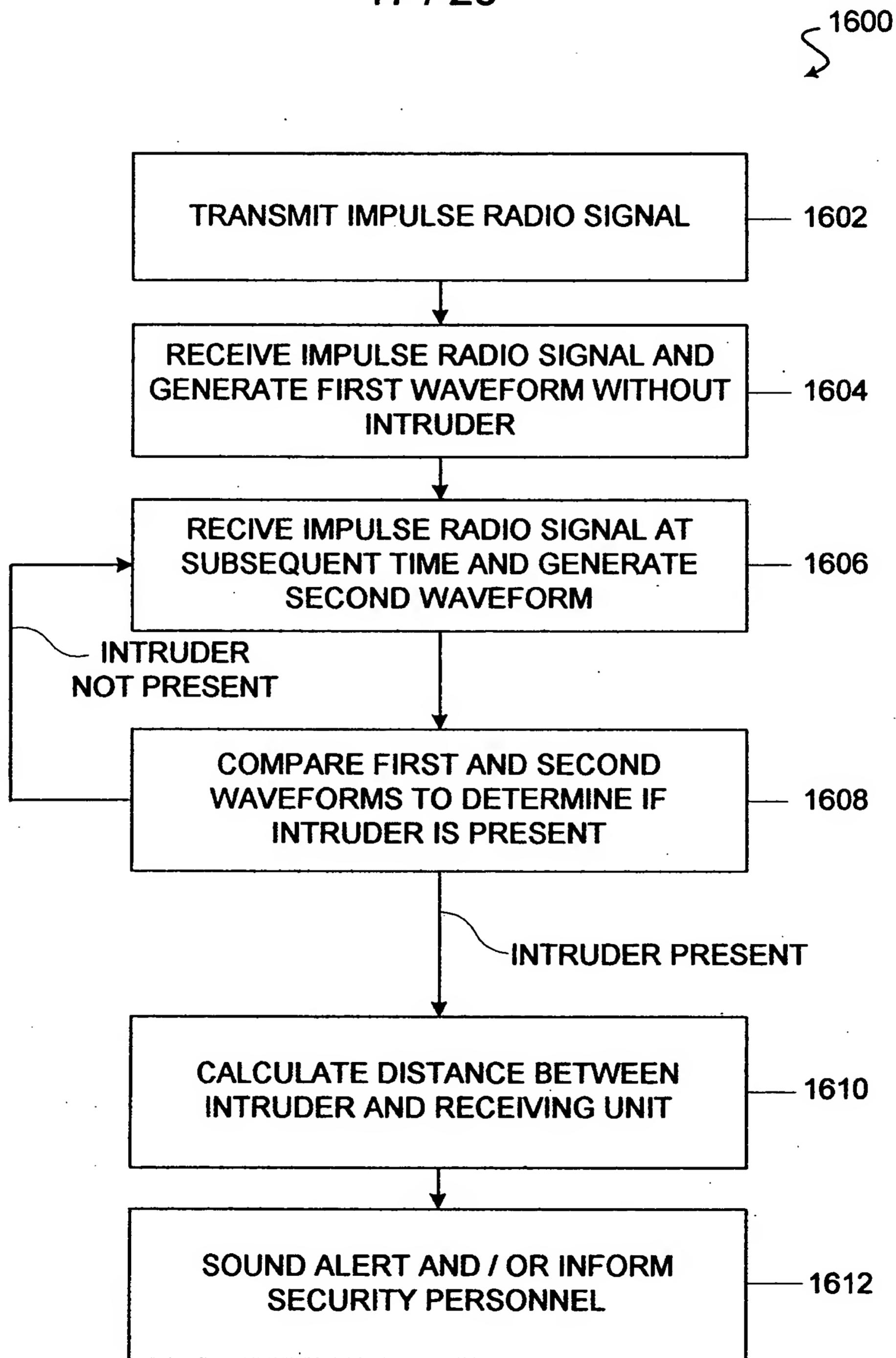


FIG. 16

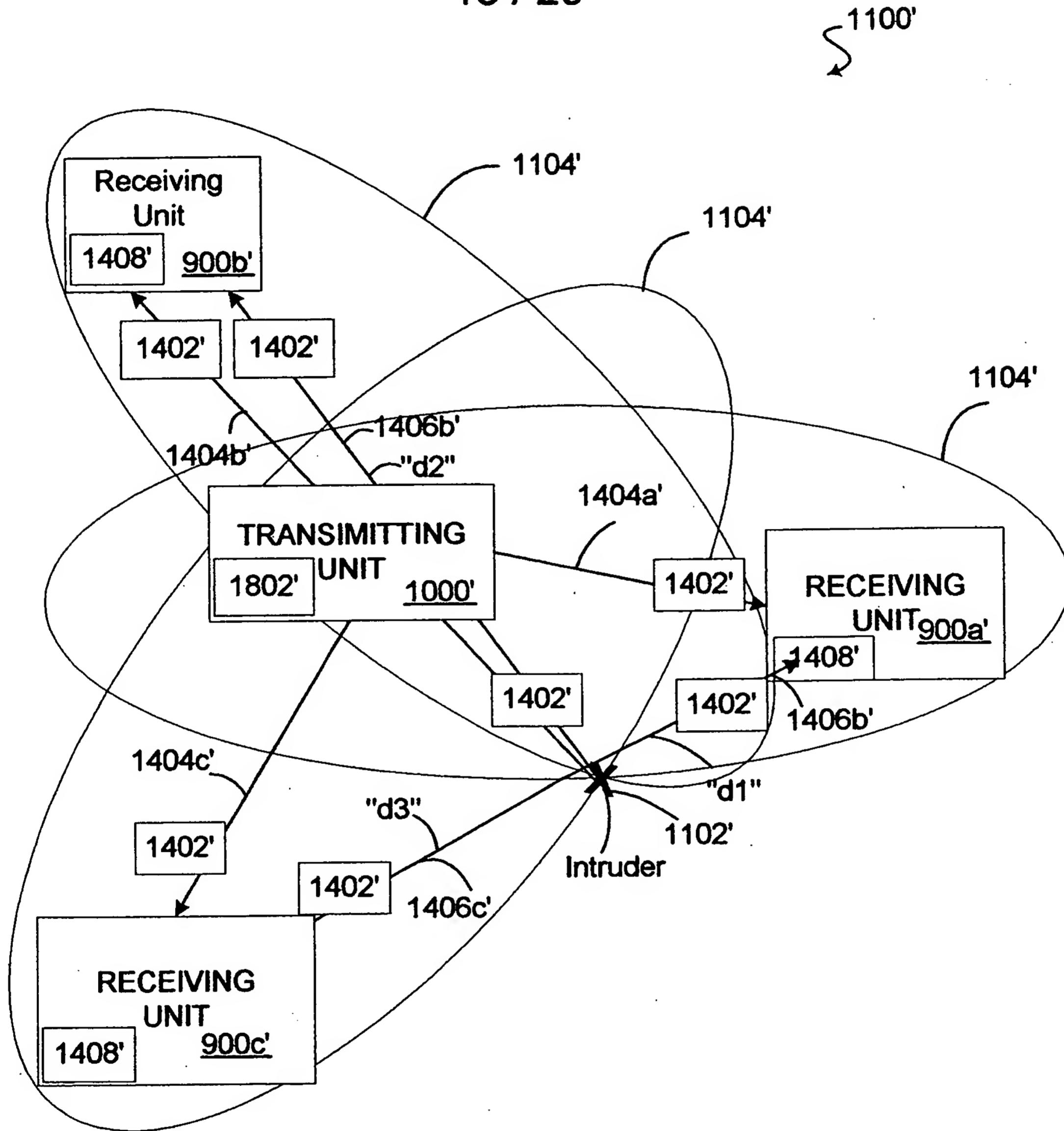


FIG. 17

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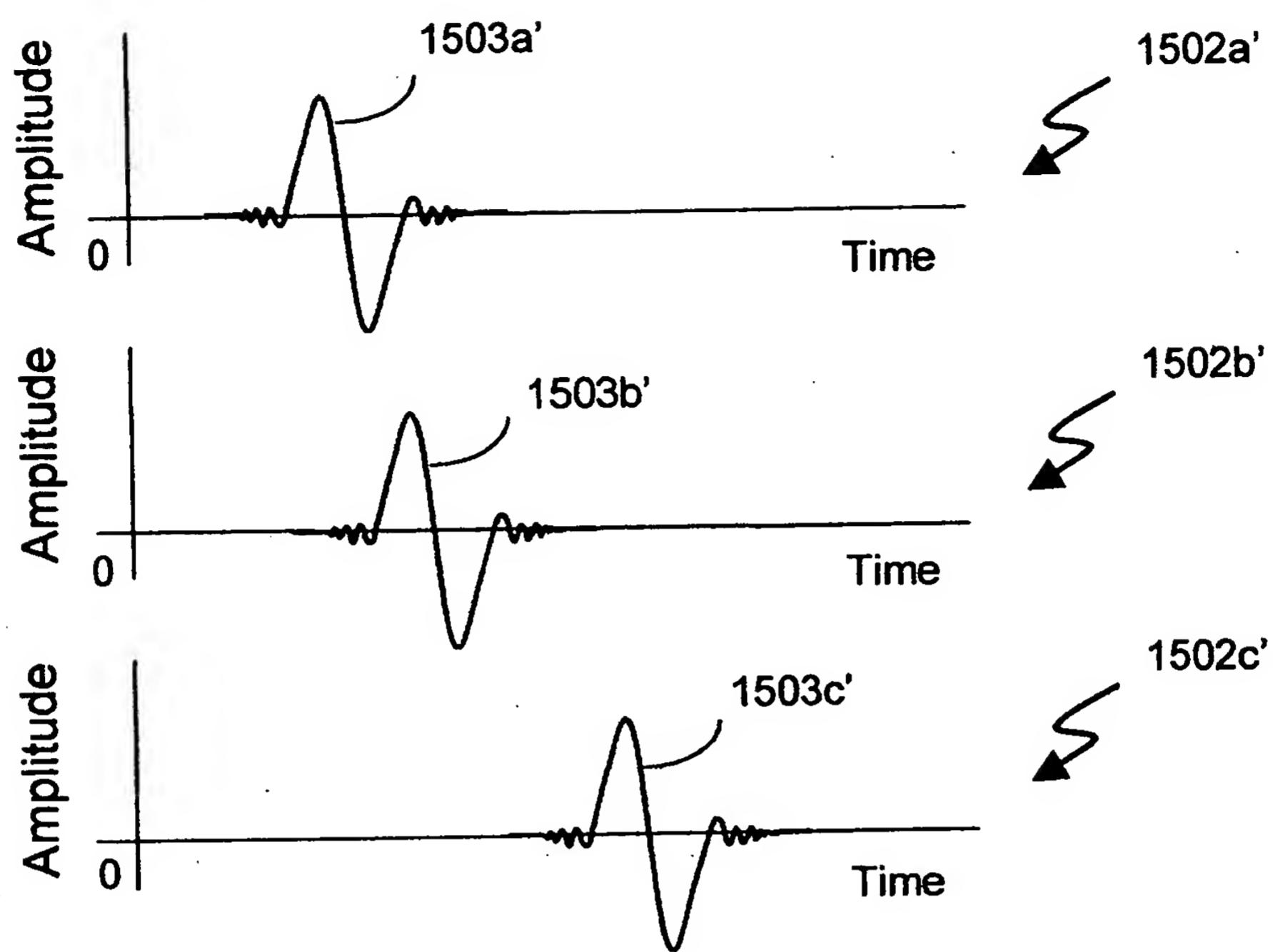


FIG. 18a

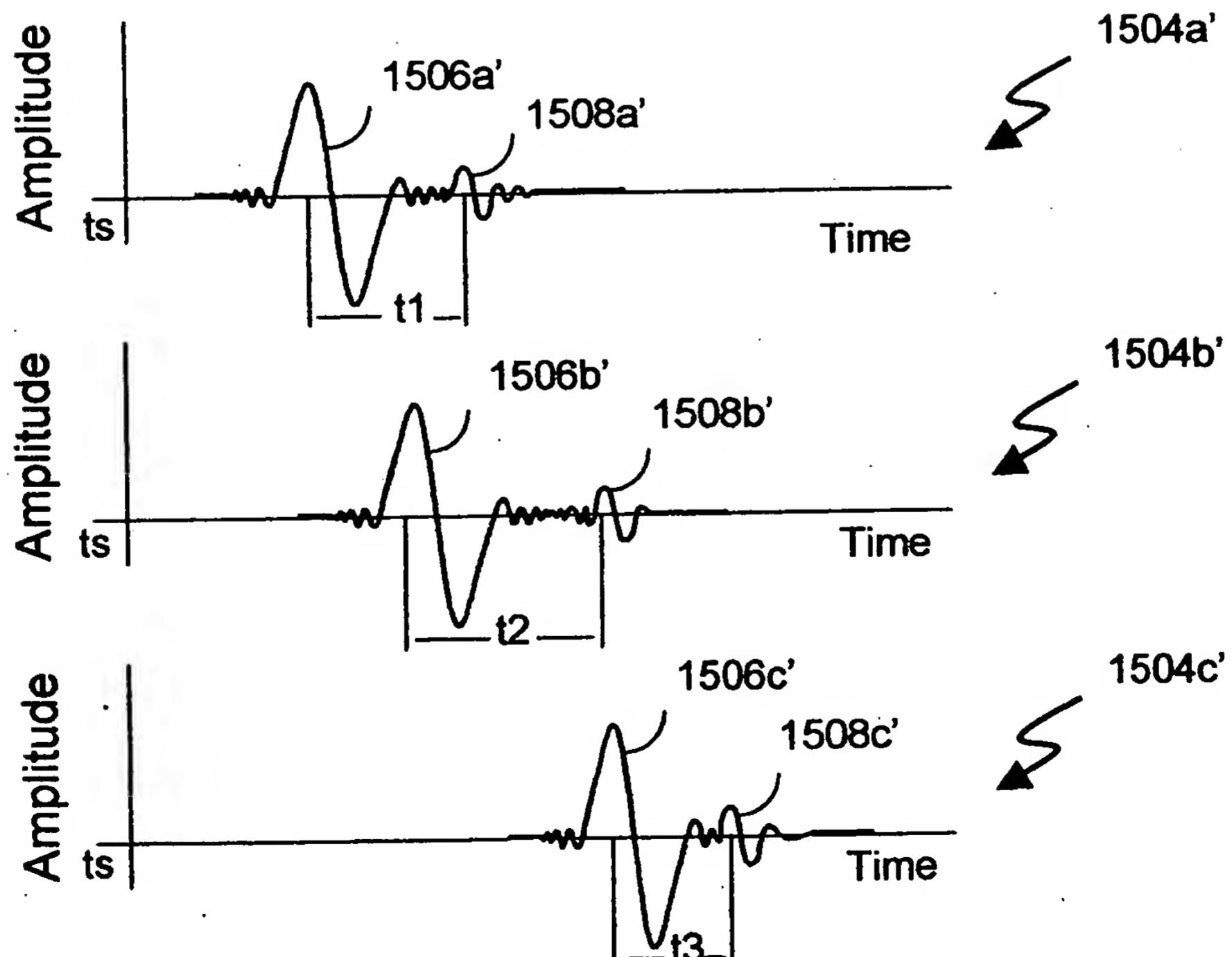


FIG. 18b

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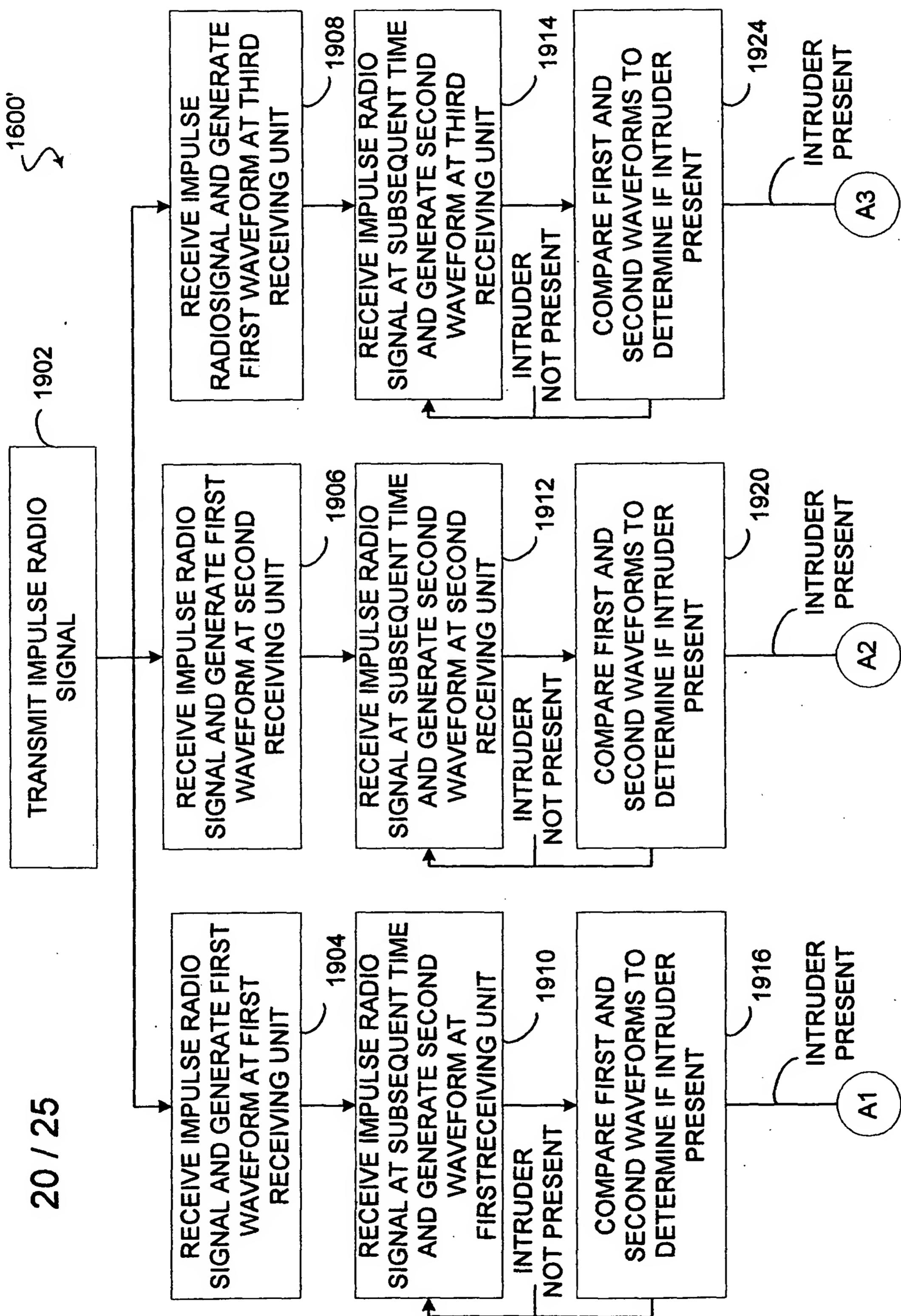


FIG. 19a

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1600' (continued)

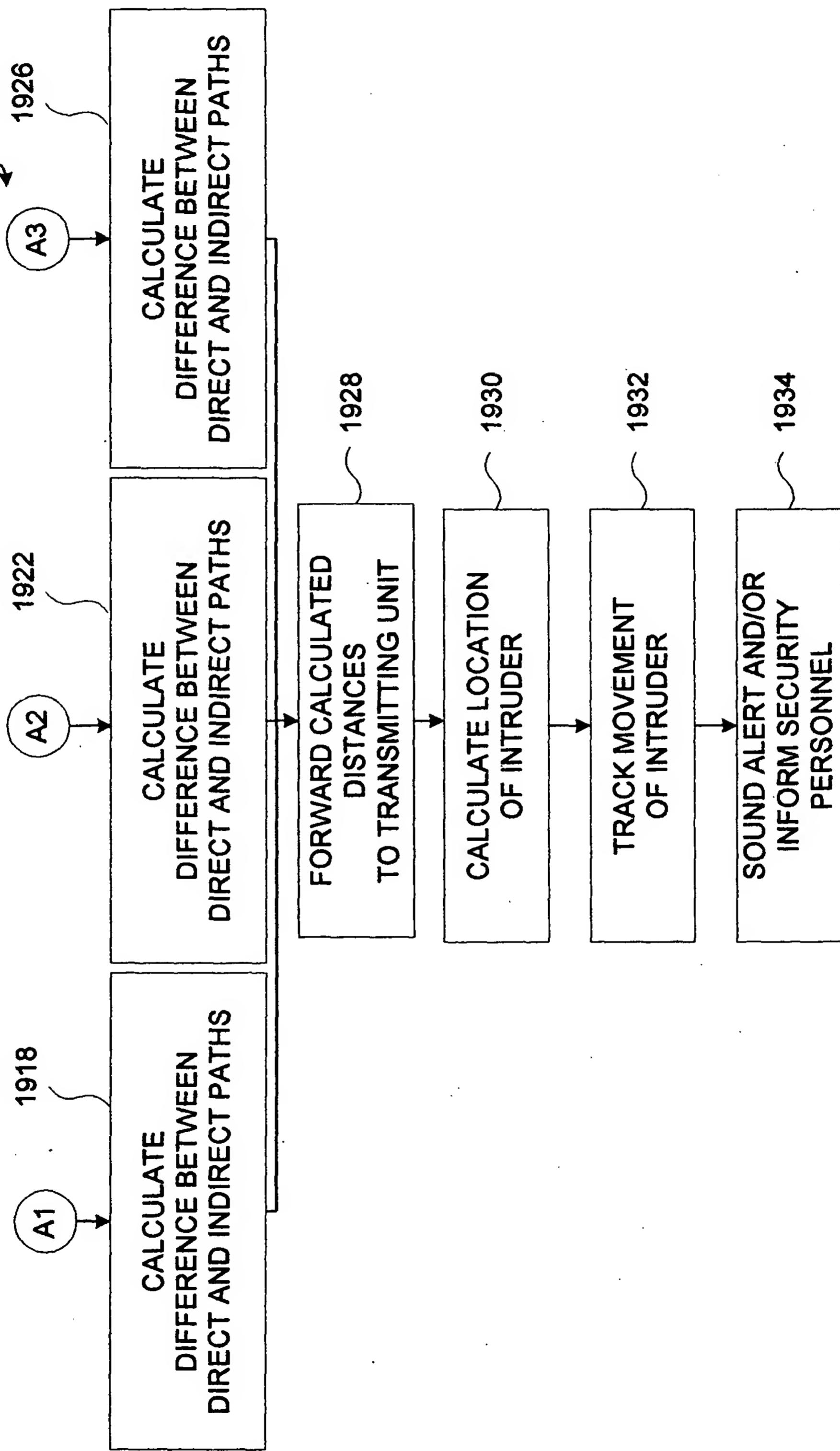


FIG. 19b

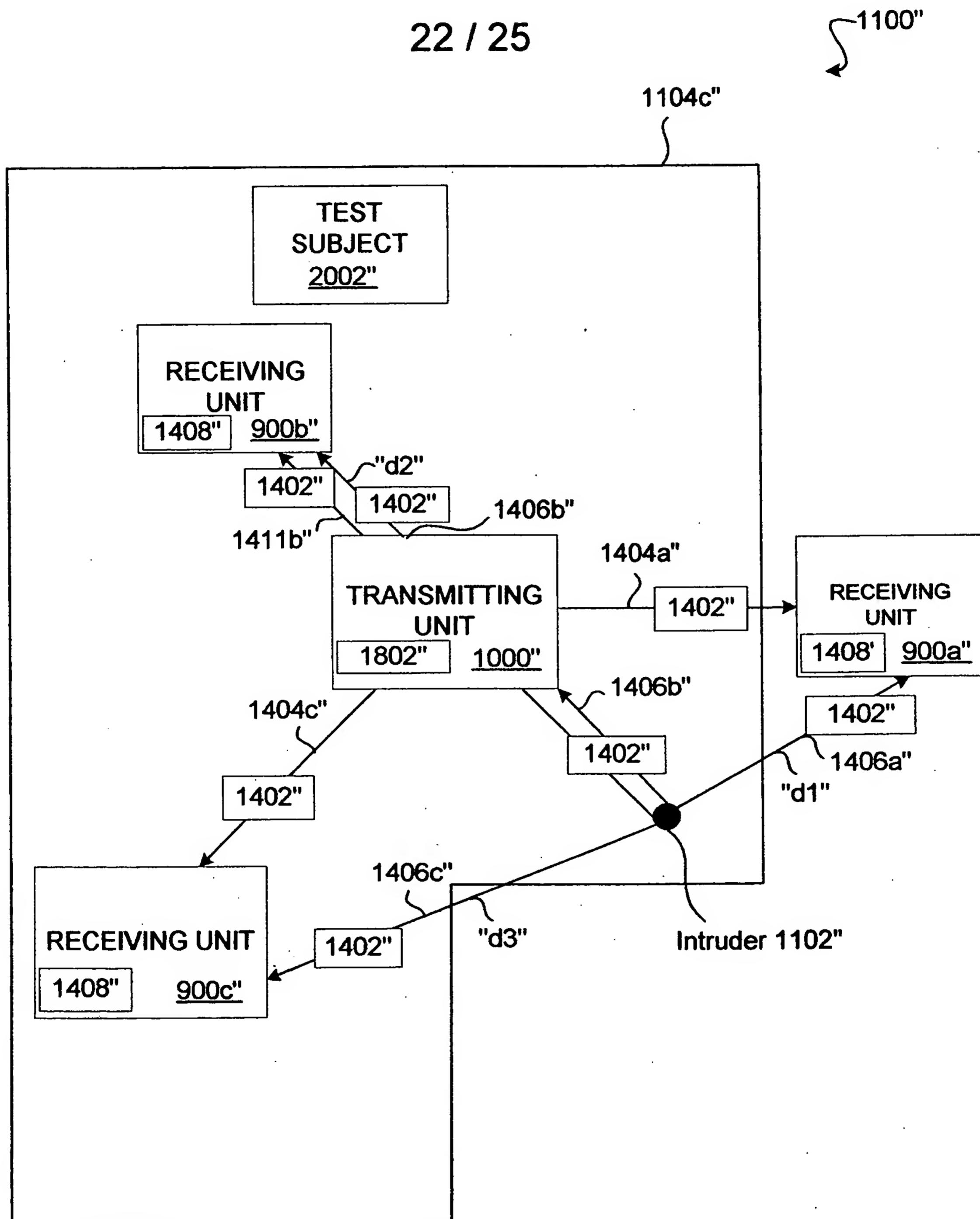


FIG. 20

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1600"

CREATE SHAPE OF PROTECTION ZONE ~ 2101

TRANSMIT IMPULSE RADIO SIGNAL ~ 2102

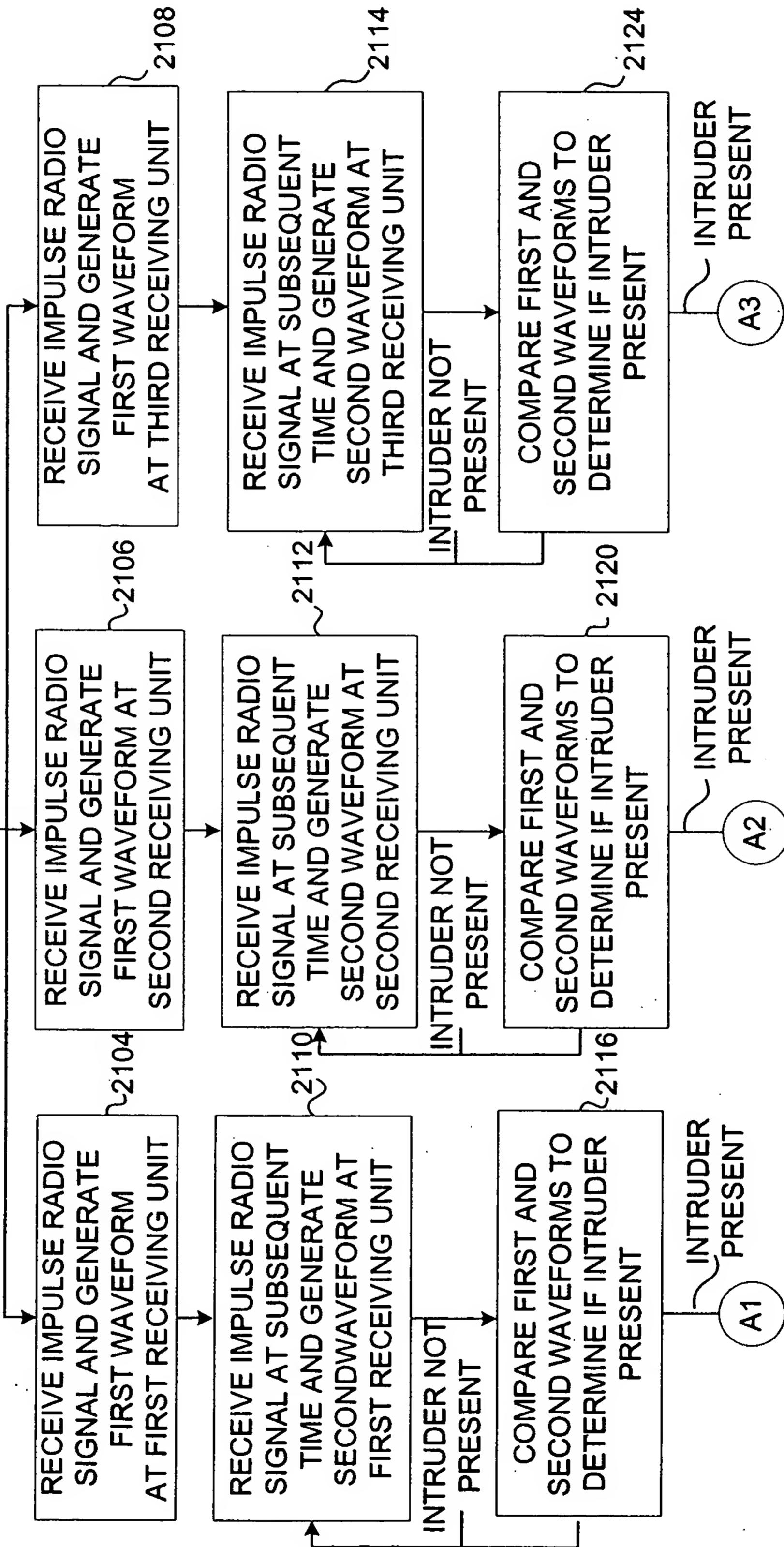


FIG. 21a

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1600"
(continued)

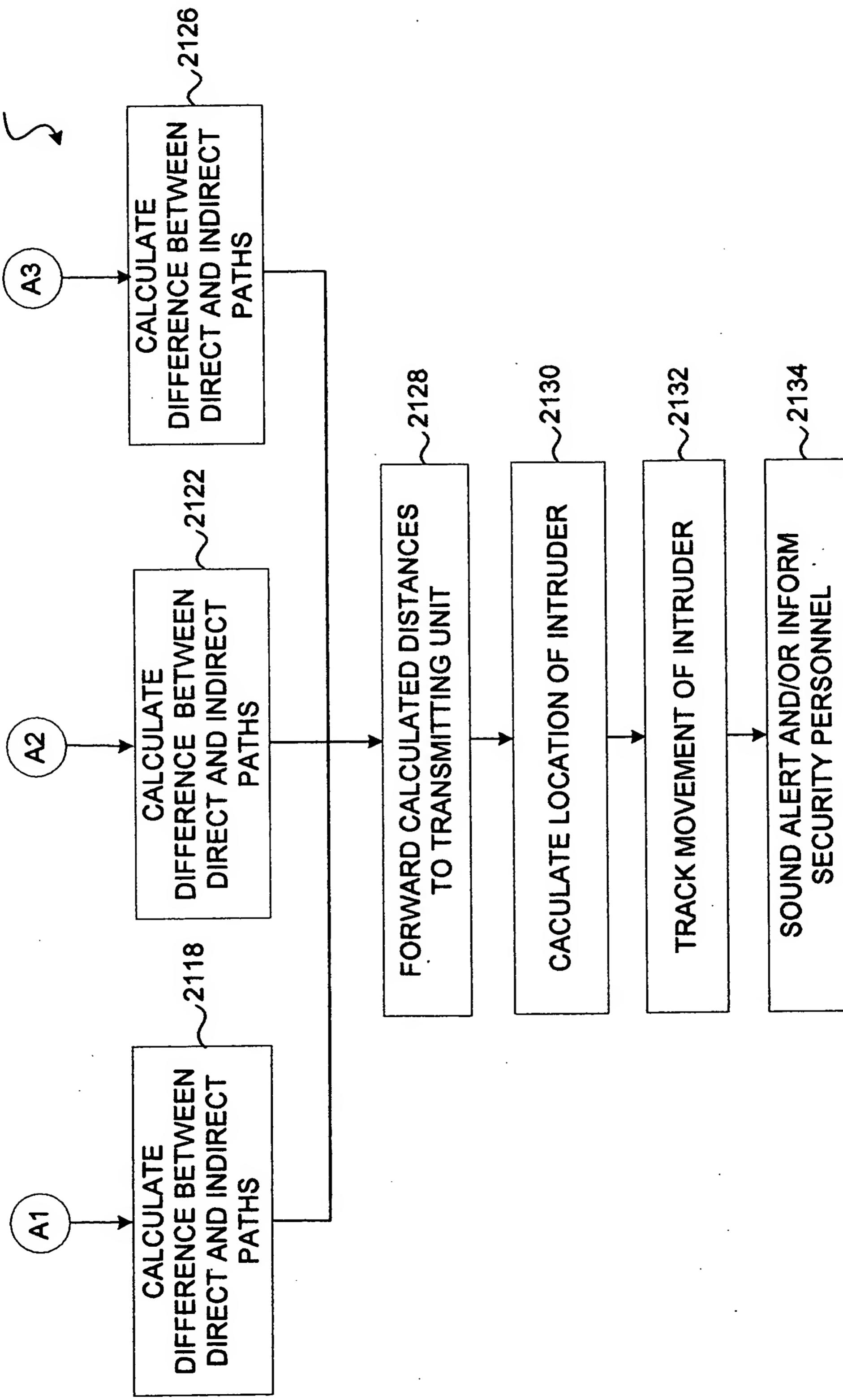


FIG. 21b

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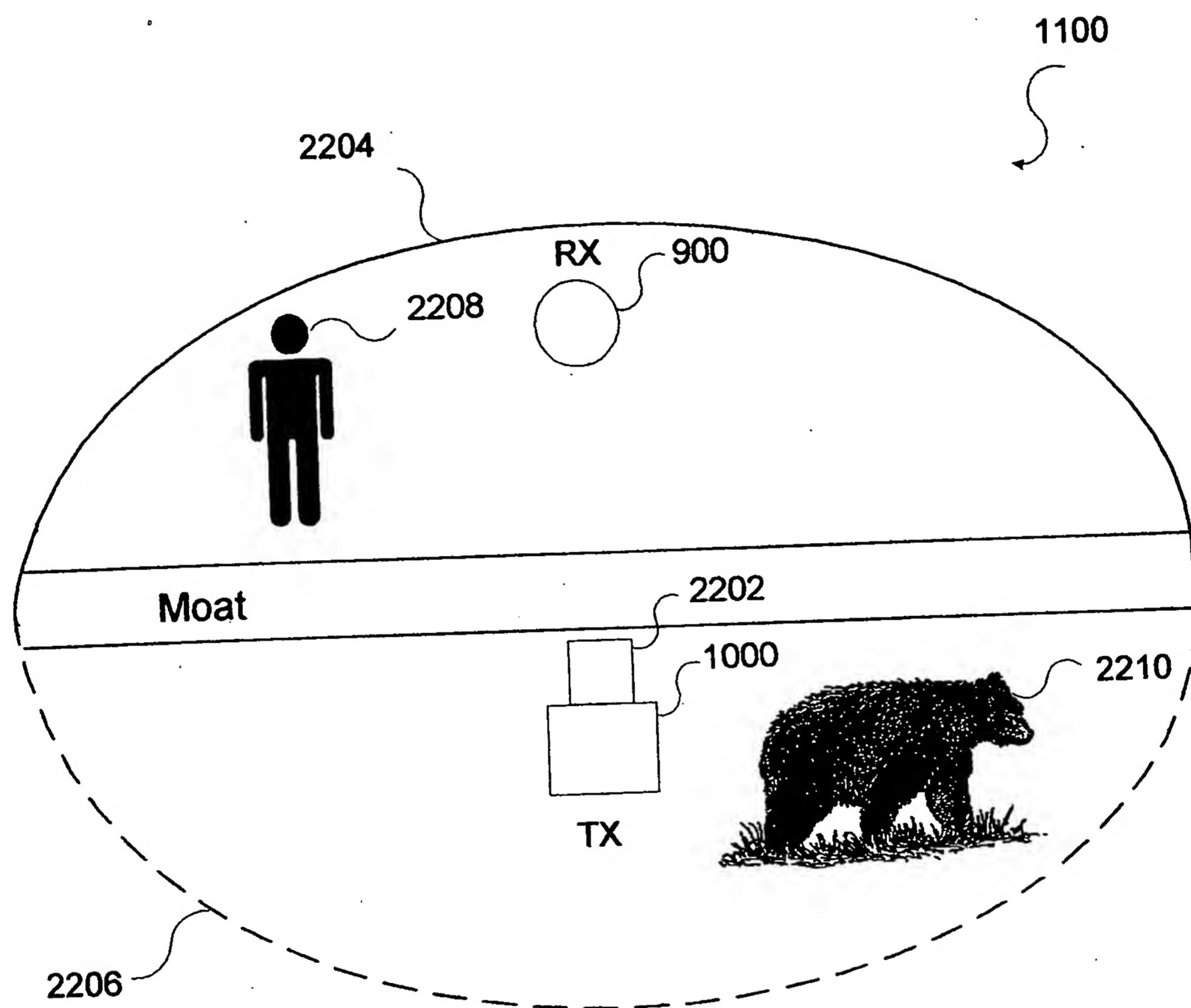


FIG. 22